

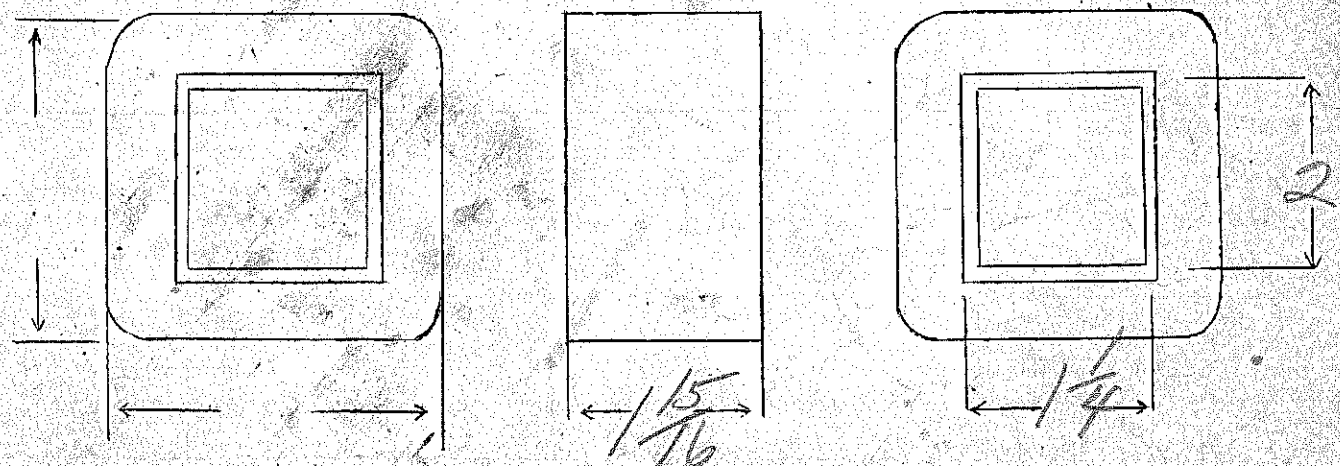
10H-400ma

SOUND PRODUCTS CO.

SPEC. NO. 4301

Winding							
Turns	2680						
Taps	-						
Wind. Lgth.	1.5/8						
Wire Size	#26						
T.P.L.	87-31						
Kind Term.	W.U.						
Term. Lgth.	6"						
Layer Insul.	40#						
Test Volt.	5000						
Wrapper	21007VC 210056A						

DE	71007+12007VC	IMPREGNATION	Varnish
DRE	24 ga - .020" gap	PRIMARY V.A.	dup
MOUNTING	L - Standard		Standard



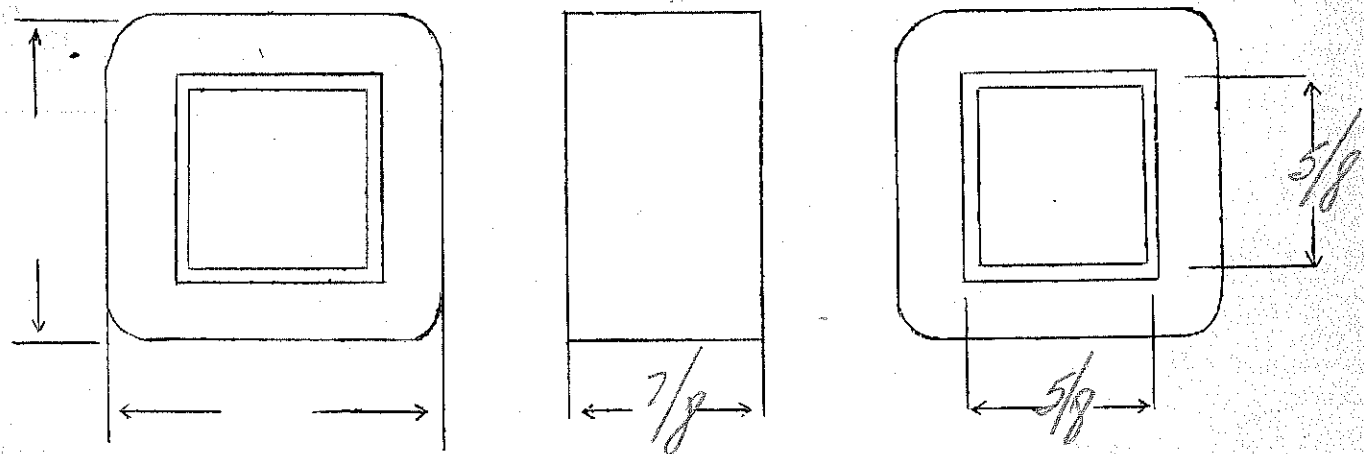
DESIGNED BY *Jsw*

DATE 7/15/38

tapped disk

SPEC. NO. 4302

Winding	<i>P</i>						
Turns	<i>2260</i>						
Taps	<i>1220 - 1480 - 1740 - 2000</i>						
Wind. Lgth.	<i>3/4</i>						
Wire Size	<i>#33</i>						
T.P.L.	<i>88-26</i>						
Kind Term.	<i>Sil Br</i>						
Term. Lgth.	<i>3"</i>						
Layer Insul.	<i>20#</i>						
Test Volt.							
Wrapper	<i>9005GA</i>						
TUBE	<i>41007</i>	IMPREGNATION			<i>Varnish</i>		
CORE	<i>29 Ga - A - .003" gap</i>			PRIMARY V.A.			
MOUNTING	<i>D - .010 armit over lamination</i>						



DESIGNED BY *Geo*

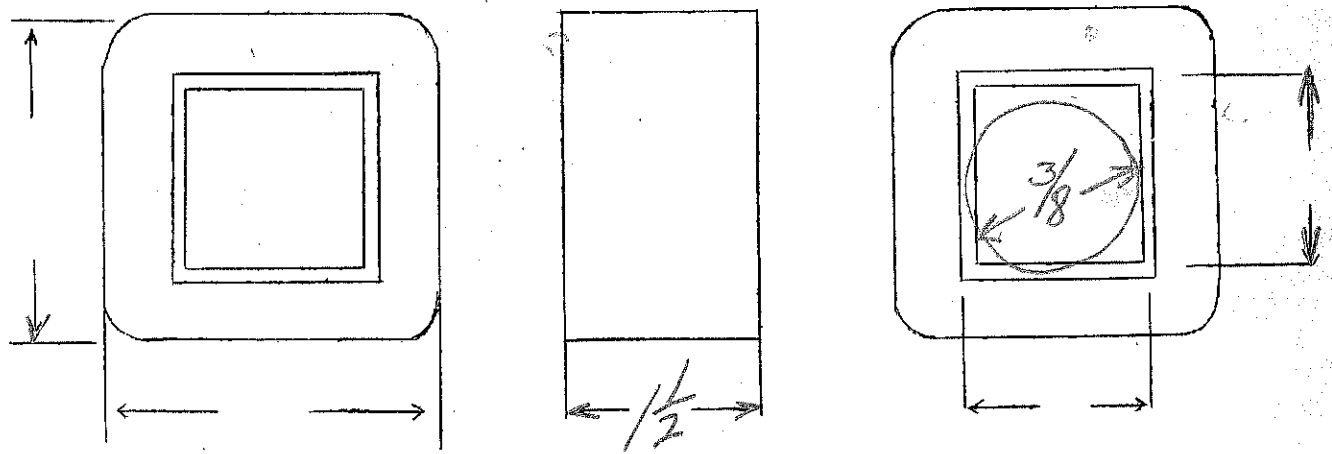
DATE *7/20/38*

110V solenoid COILS

MELTED PHOTOGRAPH CO.

SPEC. NO. 4303

Winding	ϕ						
Turns	4000						
Taps	—						
Wind. Lgth.	1.25						
Wire Size	#32						
T.P.L.	130-31						
Kind Term.	#20 Pm Pm						
Term. Lgth.	6"						
Layer Insul.	30#						
Test Volt.							
Wrapper	210056A						
TUBE	42007	IMPREGNATION			Varnish		
CORE	—	PRIMARY V.A.					
MOUNTING	—						



DESIGNED BY *Geo*

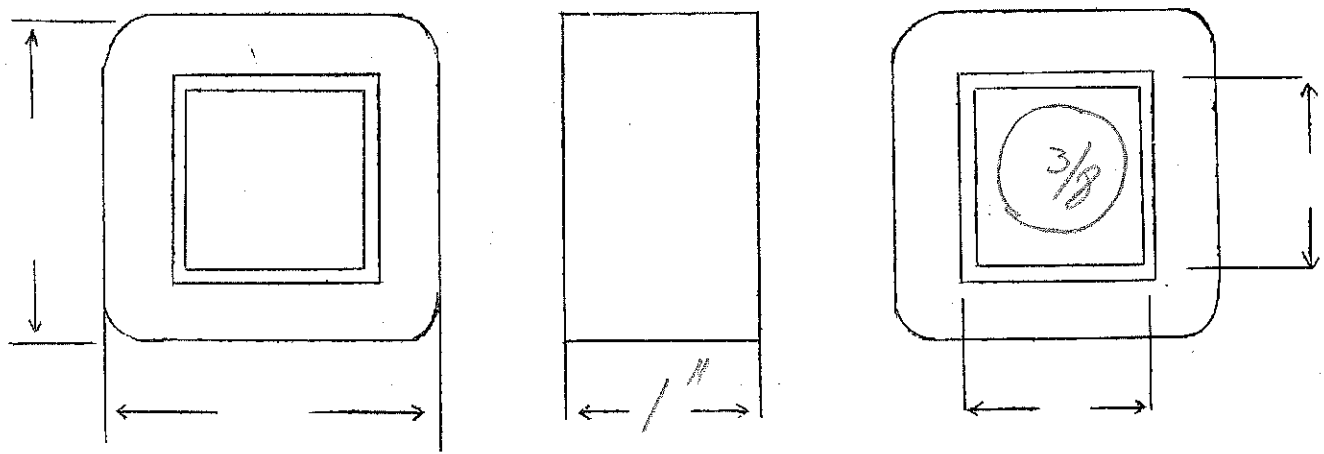
DATE 7/29/38

110V solenoid - Patent # 303

FIELD PHOTOGRAPH CO.

SPEC. NO. 4304

Winding	P						
Turns	4000						
Taps							
Wind. Lgth.	13/16						
Wire Size	#32						
T.P.L.	84-48						
Kind Term.	# 2000						
Term. Lgth.	6"						
Layer Insul.	30#						
Test Volt.							
Wrapper	20005GA						
TUBE	4007	IMPREGNATION			Varnish		
CORE	—	PRIMARY V.A.					
MOUNTING	—						



DESIGNED BY *Yw*

DATE *7/29/38*

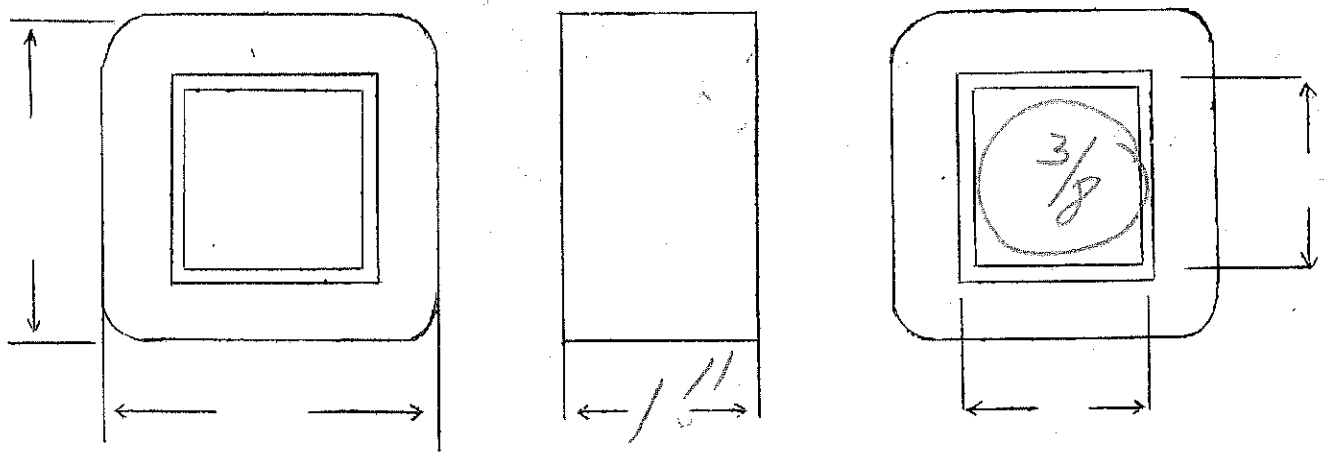
COILS

APPLIED PHONOGRAPH CO.

110V solenoid - 4Y no of 4303

SPEC. NO. 4305

Winding							
Turns	6400						
Taps	—						
Wind. Lgth.	13/16						
Wire Size	#36						
T.P.L.	132						
Kind Term.	#20 AWG						
Term. Lgth.	6"						
Layer Insul.	30						
Test Volt.							
Wrapper	2005GA						
TUBE	4607			IMPREGNATION		Varnish	
CORE					PRIMARY V.A.		
MOUNTING							

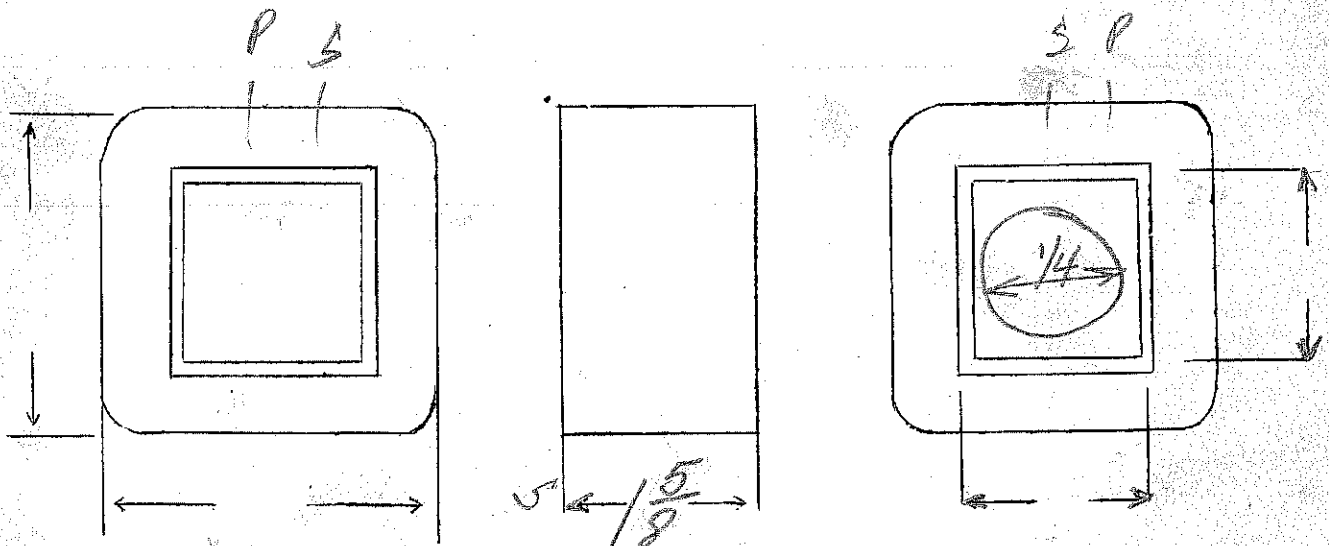


DESIGNED BY *gw*

DATE *7/29/38*

SPEC. NO. 4306

Winding	SEC	PRI			
Turns	7400	200			
Taps	—	—			
Wind. Lgth.	1 7/16	1/2			
Wire Size	#40	#28			
T.P.L.	370-20	24	wind pri on 16 strands		
Kind Term.	Sil Br	W.O.	of wire lamination		
Term. Lgth.	3"	3"			
Layer Insul.	12#				
Test Volt.					
Wrapper	1/2 Kraft	none			
TUBE	32007	IMPREGNATION	Wax		
CORE	micro laminations -	PRIMARY V.A.			
MOUNTING					



lamination 2 1/4" long

DESIGNED BY

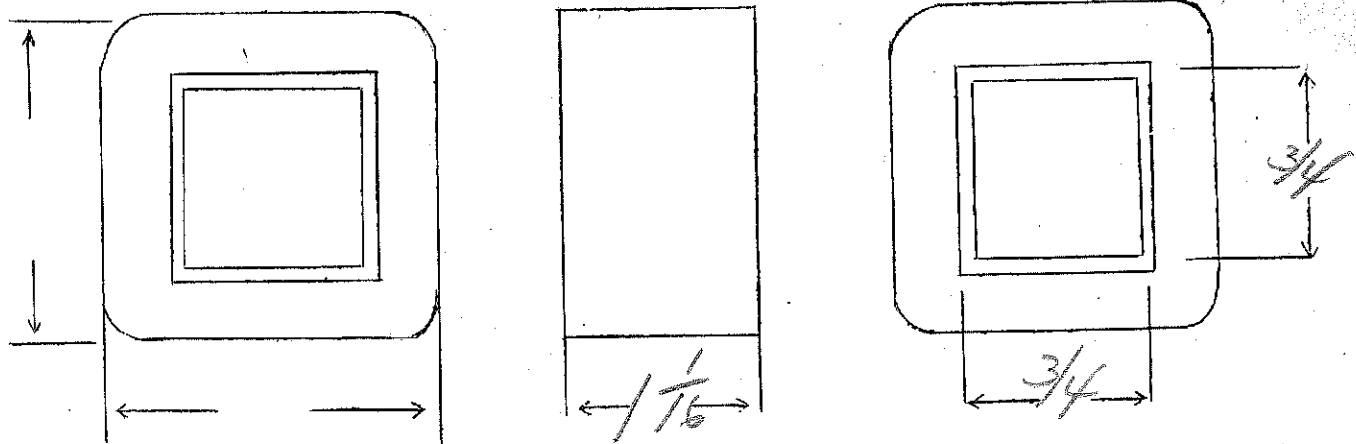
DATE

15.5H - resonate at 80 n with .25 mfd.
 M.M. MILLER

SPEC. NO. 4307

Winding							
Turns	4400						
Taps							
Wind. Lgth.	7/8						
Wire Size	34						
T.P.L.	114-39						
Kind Term.	oil Bc						
Term. Lgth.	3"						
Layer Insul.	20#						
Test Volt.							
Wrapper	26056A						

TUBE	46007	IMPREGNATION	Varnish
CORE	29 D - A Grade - .003" gap	PRIMARY V.A.	
MOUNTING	n-wrap with tape		



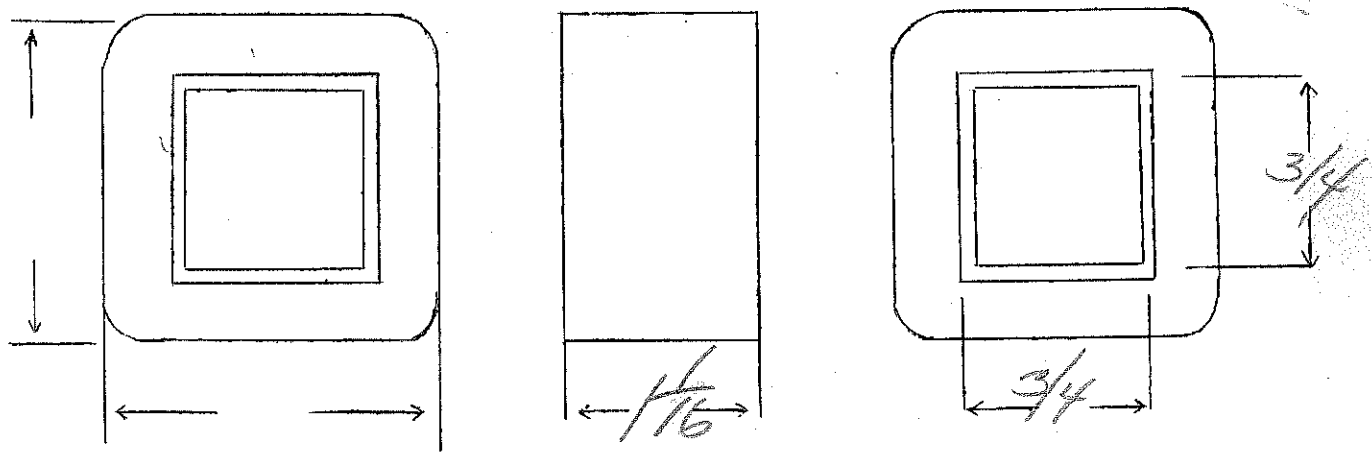
DESIGNED BY

DATE

7H - resonate with .1 mfd at 190v

SPEC. NO. 4308

Winding							
Turns	3000						
Taps							
Wind. Lgth.	7/8						
Wire Size	#33						
T.P.L.	100-30						
Kind Term.	sil lac						
Term. Lgth.	3"						
Layer Insul.	20#						
Test Volt.							
Wrapper	210056A						
TUBE	41007	IMPREGNATION	varnish				
CORE	3/4 - 29 ga - A, .003" gap	PRIMARY V.A.					
MOUNTING	M - wrap with tape						



DESIGNED BY

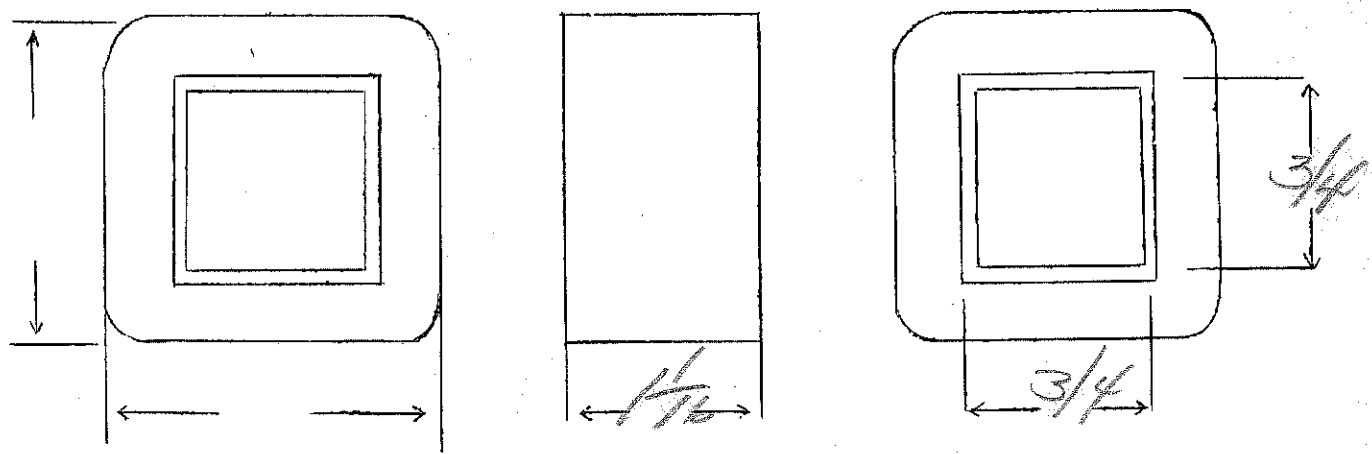
DATE

2.5H- resonator with .05 mfd - 450W

SPEC. NO. 4309

Winding							
Turns	1750						
Taps							
Wind. Lgth.	7/8						
Wire Size	#30						
T.P.L.	73-24						
Kind Term.	oil						
Term. Lgth.	3"						
Layer Insul.	20#						
Test Volt.							
Wrapper	20056A						

TUBE	4607	IMPREGNATION	Varnish
CORE	29 ga - A - .003" gap	PRIMARY V.A.	
MOUNTING	u-wrap with tape		



DESIGNED BY

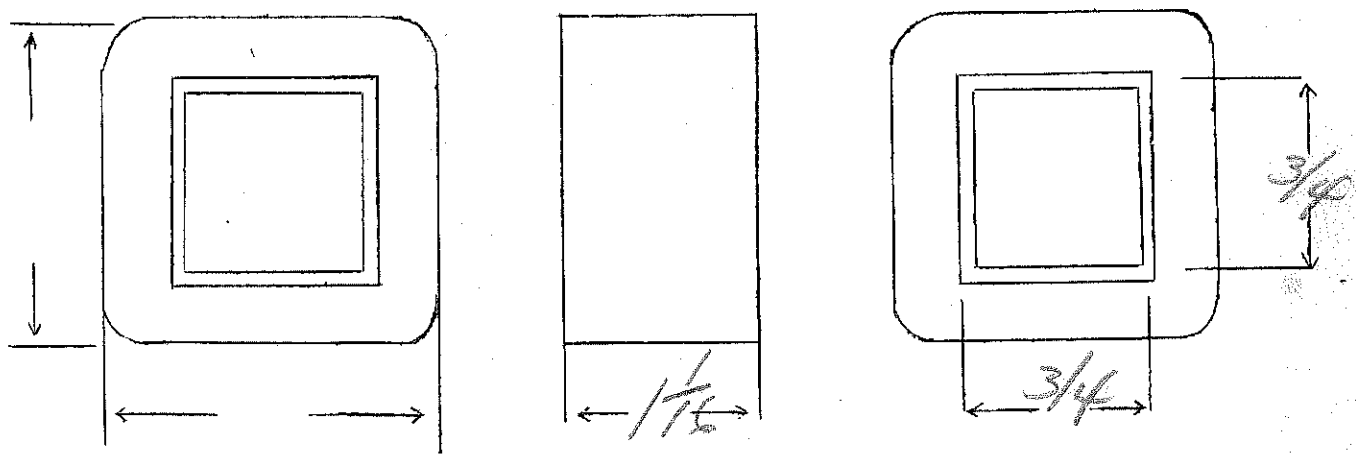
DATE

1.1 H - resonate with .02 mfd at ~~1030~~ 1030 Hz

SPEC. NO. 4310

Winding							
Turns	1180						
Taps							
Wind. Lgth.	7/8						
Wire Size	#29						
T.P.L.	66-18						
Kind Term.	Silbr						
Term. Lgth.	3"						
Layer Insul.	3071						
Test Volt.							
Wrapper	20050A						

TUBE	41007	IMPREGNATION	varnish
CORE	3/4 - 29Ga - A - 003" gap	PRIMARY V.A.	
MOUNTING	M - wrap with tape		



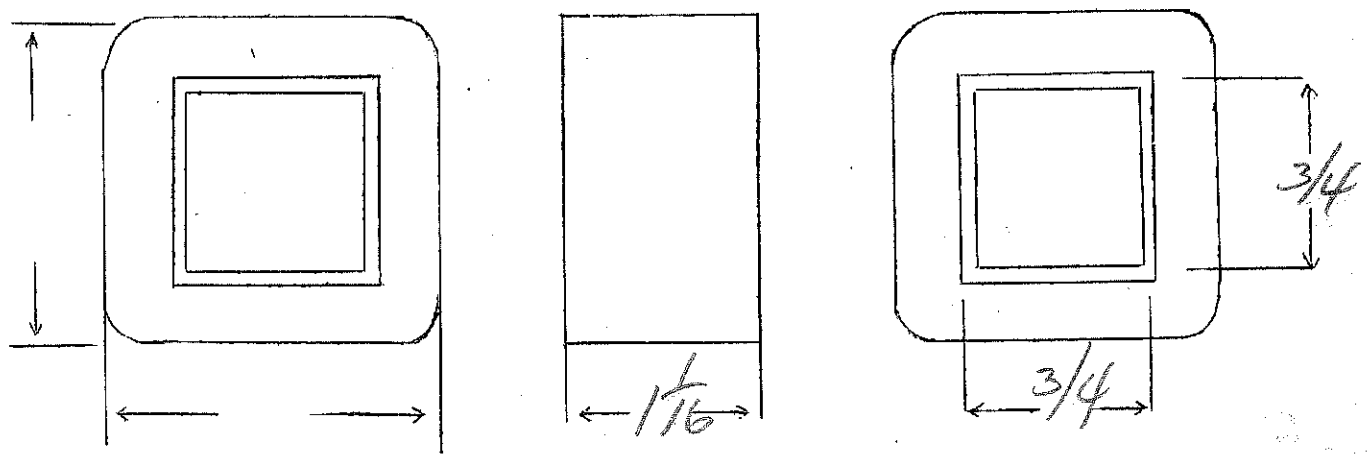
DESIGNED BY

DATE

44- resonator with .01 mfd at 2500 ~

SPEC. NO. 4311

Winding							
Turns	705						
Taps	-						
Wind. Lgth.	7/8						
Wire Size	#26						
T.P.L.	47-15						
Kind Term.	sil 102						
Term. Lgth.	3"						
Layer Insul.	30#						
Test Volt.							
Wrapper	210056A						
TUBE	42007	IMPREGNATION			varnish		
CORE	29-A .003" gap	PRIMARY V.A.					
MOUNTING	u-wrap with tape						



DESIGNED BY

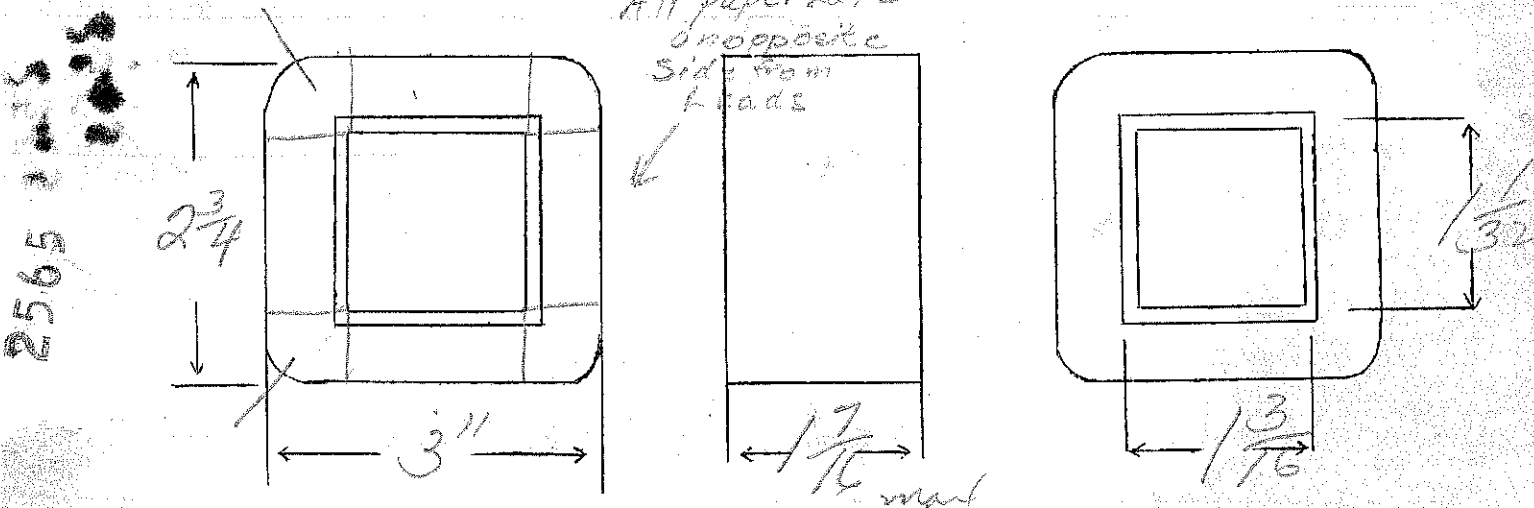
DATE

Number 25651 (stamp coil)

SPEC. NO. 4312

Winding							
Turns	2000						
Taps							
Wind. Lgth.	1 1/4						
Wire Size	#27						
T.P.L.	75-27						
Kind Term.	#30 Dulac - turned						
Term. Lgth.	12"						
Layer Insul.	40#						
Test Volt.	11007V						
Wrapper	24 Kraft - edges folded inward					Double	
TUBE	57007-1100 PVC		IMPREGNATION		Varnish - GE Dyptron		
CORE			PRIMARY V.A.				
MOUNTING							

wrap sides of coil with 11007VC-110056A



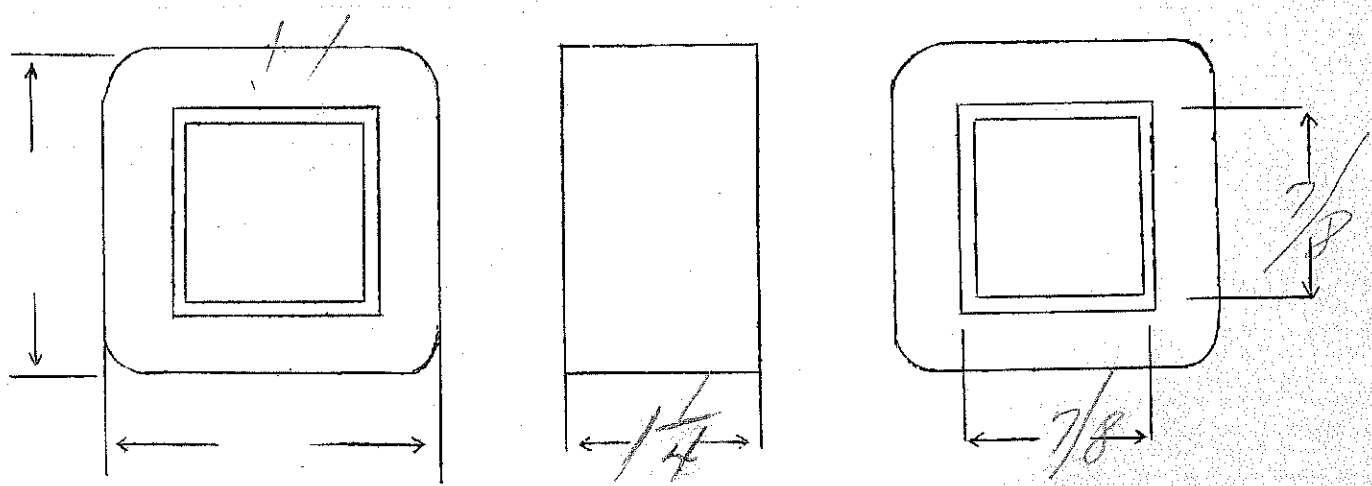
DESIGNED BY Geo

DATE 8/14/38

2565

choke - 17 millihenry - 2 amp (5 ohm)
 to resonate at 1200 ~ - with 1 mfd cond.
 SPEC. NO. 4313

Winding	PRI					
Turns	200					
Taps						
Wind. Lgth.	$\frac{1}{16}$					
Wire Size	#19					
T.P.L.	25-8					
Kind Term.	W.U.					
Term. Lgth.	9'					
Layer Insul.	0056A					
Test Volt.						
Wrapper	210056A					
TUBE	52007	IMPREGNATION	Varnish			
CORE	$\frac{7}{8}$ - 24 ga - .005" gap		PRIMARY V.A.			
MOUNTING	A					



DESIGNED BY *gsw* DATE 8/16/38

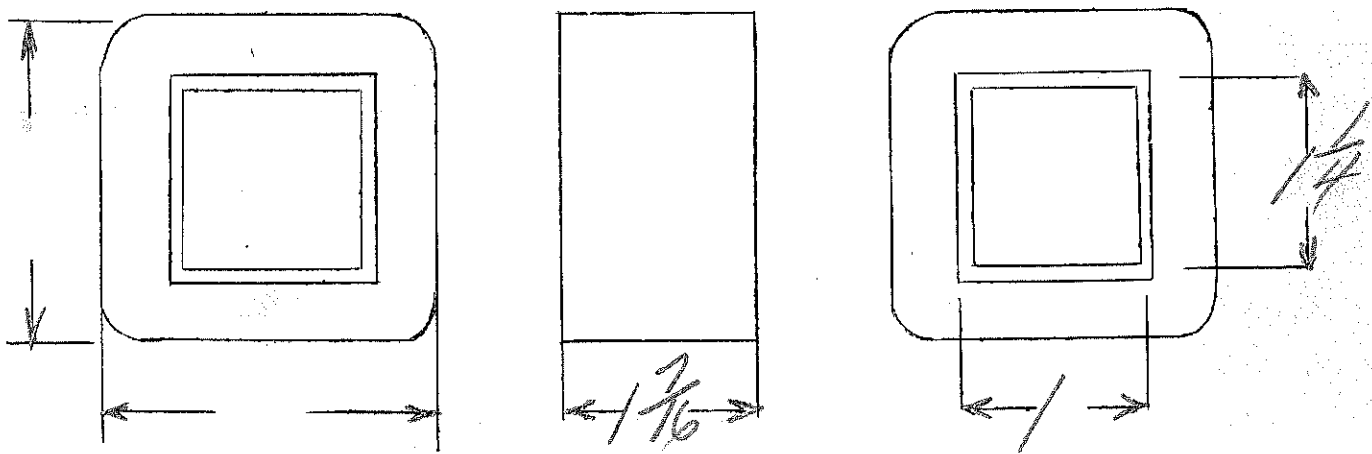
Choke - 10H - 150ma - 325Ω

M. M. MILLER

SPEC. NO.

4314

Winding							
Turns	3900						
Taps	-						
Wind. Lgth.	1'25						
Wire Size	#31						
T.P.L.	115-34						
Kind Term.	# ¹⁰ D ¹⁰ W						
Term. Lgth.	9"						
Layer Insul.	30#						
Test Volt.							
Wrapper	310056A						
TUBE	6607	IMPREGNATION			Varnish		
CORE	24/100 - .005" gap	PRIMARY V.A.					
MOUNTING	A						



DESIGNED BY *Yw*

DATE 8/20/38

20 pounds with .02 mfd @ 850v

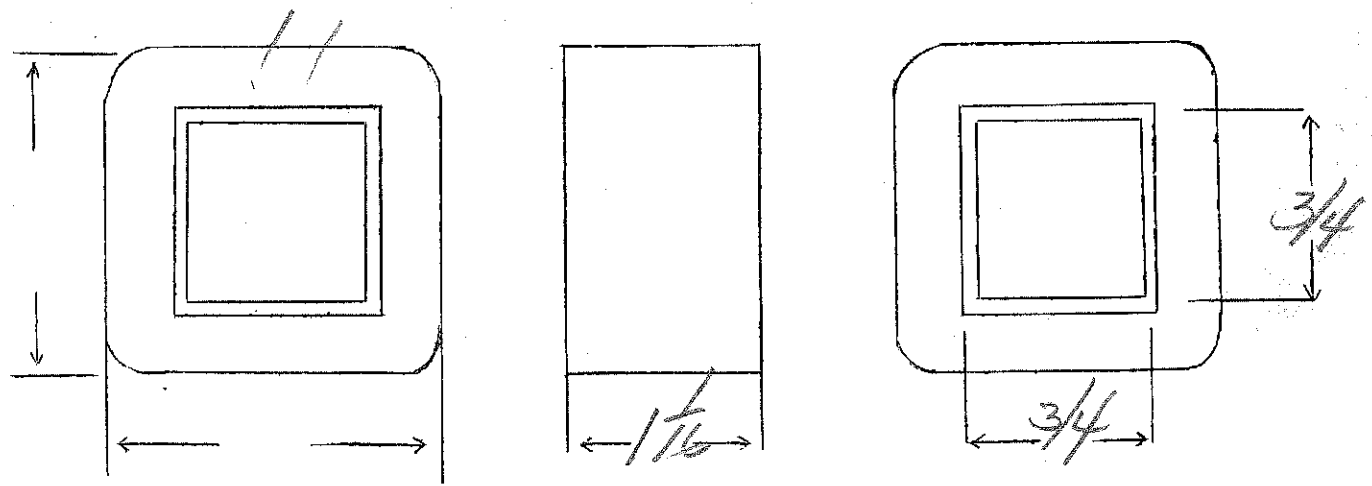
M. M. MILLER

1.85 H

SPEC. NO. 4315

Winding							
Turns	1495						
Taps							
Wind. Lgth.	7/8						
Wire Size	#29						
T.P.L.	65-23						
Kind Term.	Sil Br						
Term. Lgth.	3"						
Layer Insul.	20 #						
Test Volt.							
Wrapper	2005GA						

TUBE	4L007	IMPREGNATION	varnish
CORE	29 B-a grade - 003 gms	PRIMARY V.A.	
MOUNTING	M - wrap with tape		



DESIGNED BY *gwr*

DATE 8/23/38

TAPPED FAN Choke

Trade - Wind Motor fan, etc

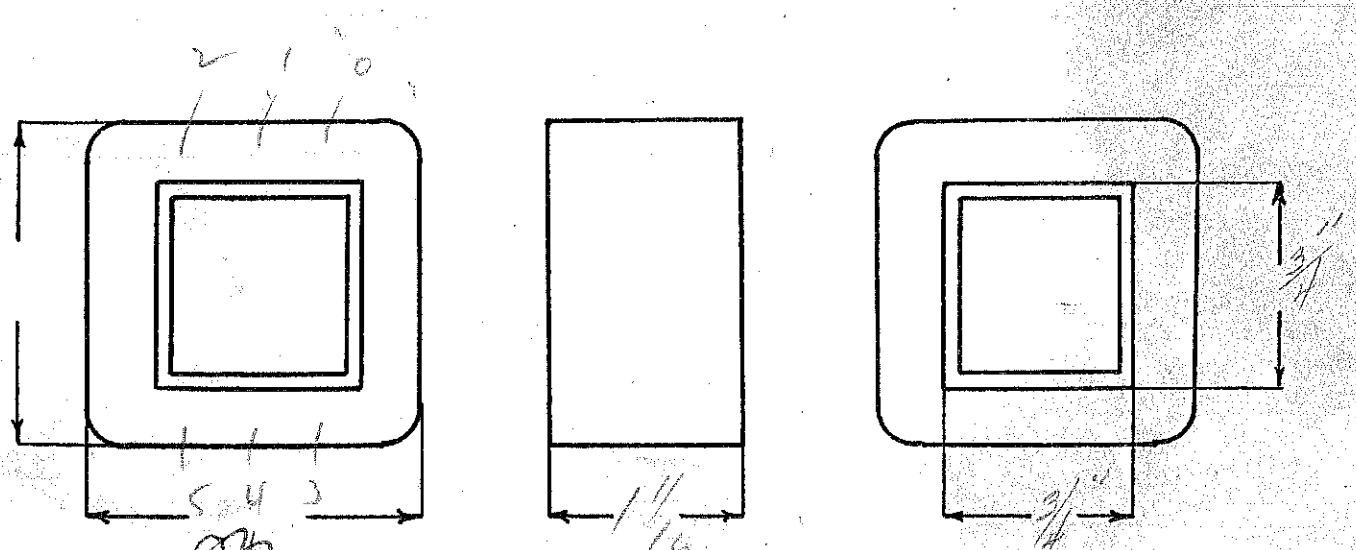
SPEC. NO. 4316
 Similar to # 4925

Winding	1						
Turns	298						
Taps	174 - 217 - 241 - 269						
Wind. Lgth.	3/4						
Wire Size	#22						
T. P. L.	29-11						
Finish							
Type Lead	Wire						
Lead Lgth.	3"						
Layer Insul.	50#						
Test Volt.							
Wrapper	2L,005 6A						

TUBE 4L 007 BK IMPREGNATION VAR

CORE 3/4 - 3/4 GA. 26 GRADE B STACK 2x2

MOUNTING D



DESIGNED BY OTW
 FROM SAMPLE

11/11/39

DATE

REMOVE

REMLER CO. 10

75H - 125Ω 150mA

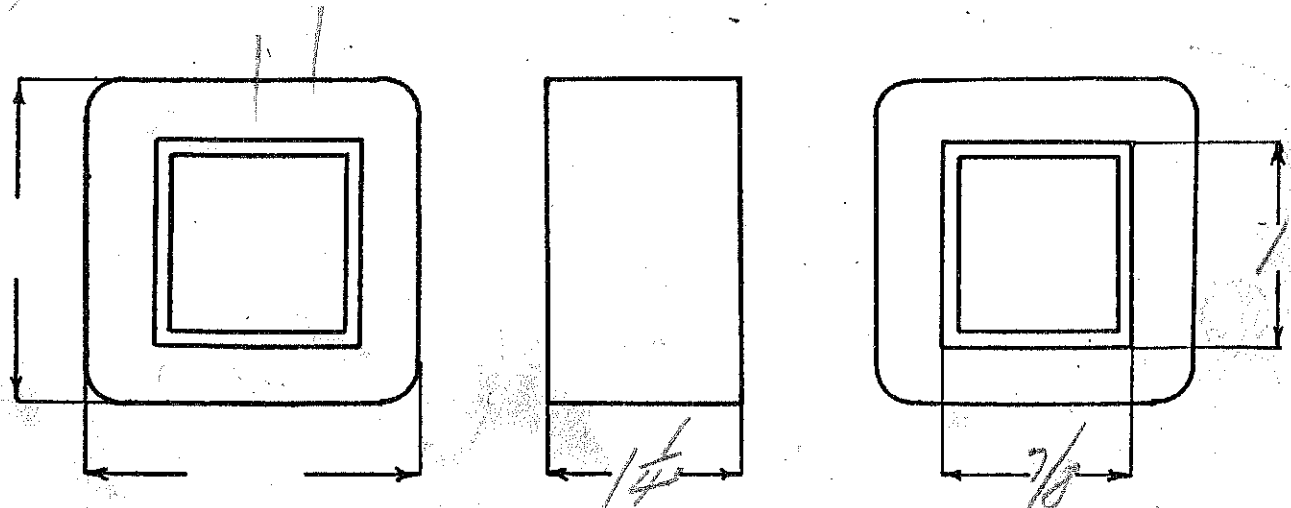
Jack: check average res. before finishing SPEC. NO. 4317
on this order only

Winding							
Turns	2480						
Taps							
Wind. Lgth.	1 1/16						
Wire Size	#30						
T. P. L.	89-28						
Finish							
Type Lead	#20 20M						
Lead Lgth.	9"						
Layer Insul.	30#						
Test Volt.							
Wrapper	2005 GA						

TUBE	52007	IMPREGNATION	Varnish
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CORE	GA. 24	GRADE	D	STACK	.010' gap
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MOUNTING	A
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DESIGNED BY *Sw*

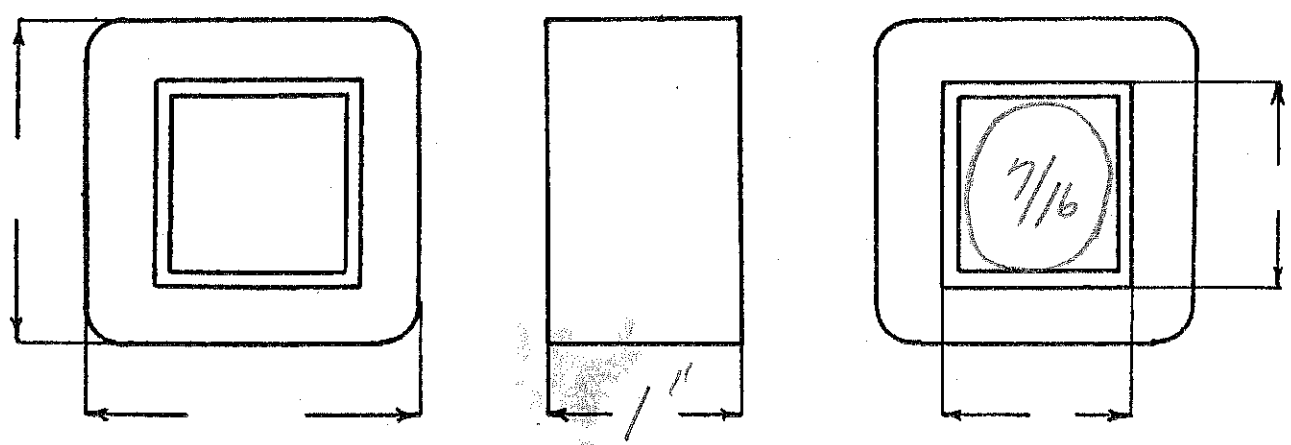
DATE 9/15/38

SPEC. NO. 4318

Winding							
Turns	720						
Taps							
Wind. Lgth.	7/8						
Wire Size	#21						
T. P. L.	26-28						
Finish							
Type Lead	W.O						
Lead Lgth.	6"						
Layer Insul.	50#						
Test Volt.							
Wrapper	2W05GA						
TUBE	5007	IMPREGNATION			Varnish		

CORE GA. GRADE STACK

MOUNTING



DESIGNED BY

DATE

CHOKE

REMLER CO.

50 H-25 mA-1300 r

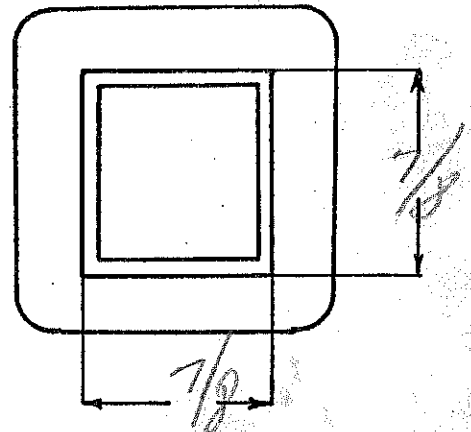
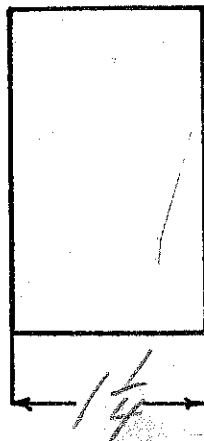
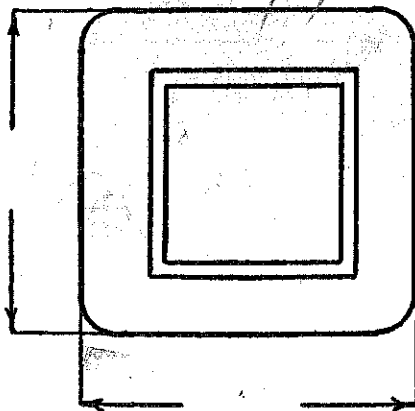
SPEC. NO. 4314

Winding	P						
Turns	7700						
Taps	—						
Wind. Lgth.	1 1/16						
Wire Size	#36						
T. P. L.	175-44						
Finish							
Type Lead	#20 P/B						
Lead Lgth.	9"						
Layer Insul.	30#						
Test Volt.							
Wrapper	3005 GA						

TUBE	5007	IMPREGNATION	Varnish
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CORE	GA. 24	GRADE D	STACK 005 gsp
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MOUNTING A

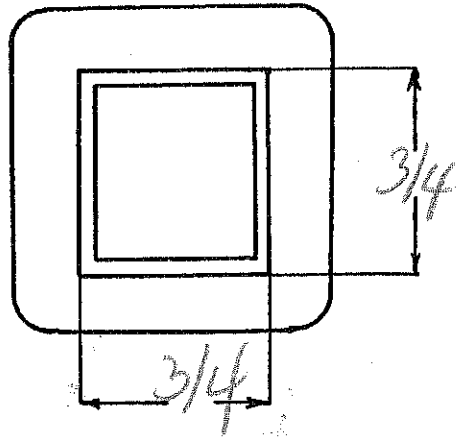
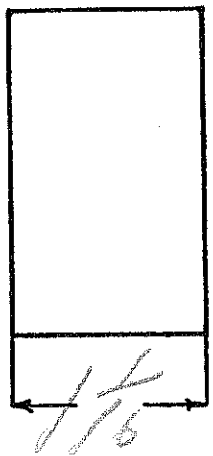
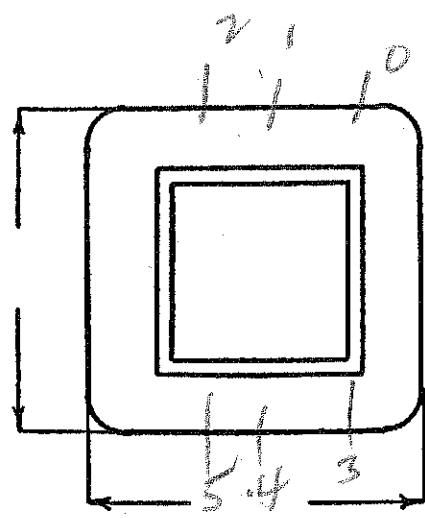


DESIGNED BY *gwo*

DATE 10/13/32

SPEC. NO. 4320

Winding							
Turns	100						
Taps	48-60-72-90						
Wind. Lgth.	7/8						
Wire Size	#19						
T. P. L.							
Finish							
Type Lead	W.O.						
Lead Lgth.	3"						
Layer Insul.	.005/14						
Test Volt.							
Wrapper	21005EA						
TUBE	56007	IMPREGNATION			V _i		
CORE		GA. 24	GRADE D		STACK 2x2		
MOUNTING	D						

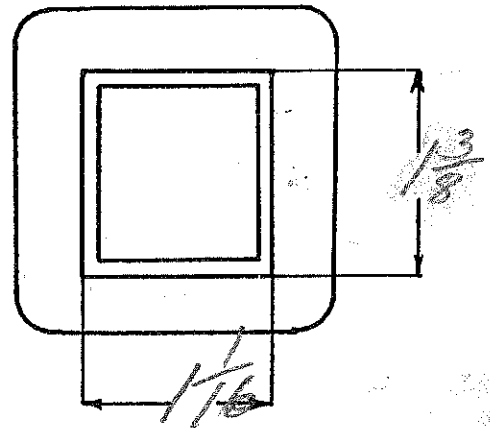
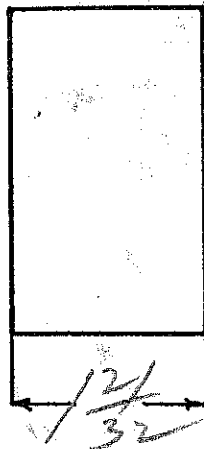
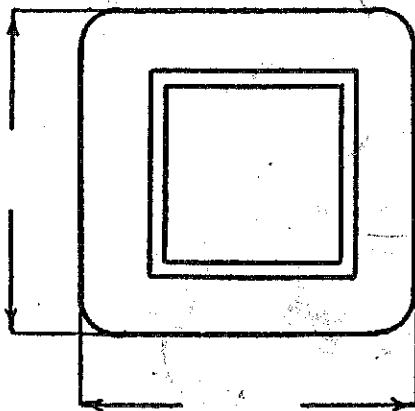


DESIGNED BY

DATE

SPEC. NO. 4321

Winding	P.						
Turns	520						
Taps							
Wind. Lgth.	$1\frac{15}{32}$						
Wire Size	#20						
T. P. L.	40-13						
Finish							
Type Lead	W.O. - sleeving						
Lead Lgth.	9"						
Layer Insul.	.005 GA.						
Test Volt.							
Wrapper	21005GA						
TUBE	7407	IMPREGNATION			Black GE Varnish - Janned		
CORE	Early	GA.	24	GRADE	Dynamo	STACK	-
MOUNTING	—						



DESIGNED BY *SW*

DATE 8/30/38

Special order - use with 4203-230V

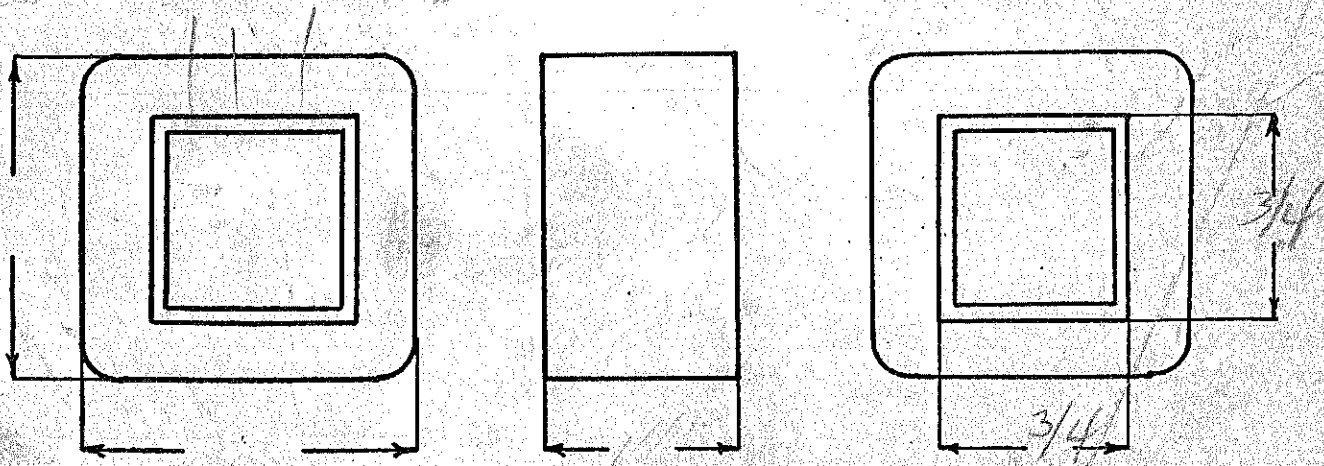
SPEC. NO. 4322-230V

Winding						
Turns	1185					
Taps	1050					
Wind. Lgth.	7/8					
Wire Size	#29					
T. P. L.	66-18					
Finish	WD					
Type Lead						
Lead Lgth.	3"					
Layer Insul.	30#					
Test Volt.	1200V					
Wrapper	2005GA					

TUBE 71007 IMPREGNATION Manual

CORE GA. 24 GRADE B STACK 222

MOUNTING D- mount on plate with 4203-230V



DESIGNED BY *JW*

DATE 9/21/38

special choke to use to reduce
4203 to give SC

SPEC. NO. 4322

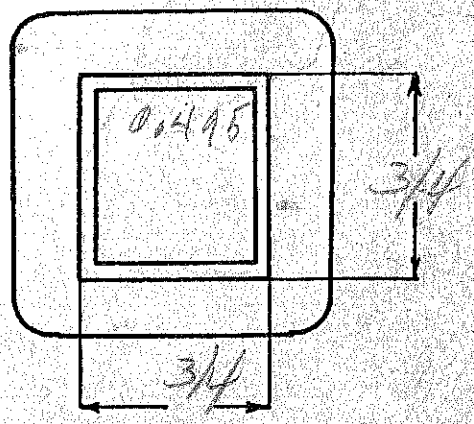
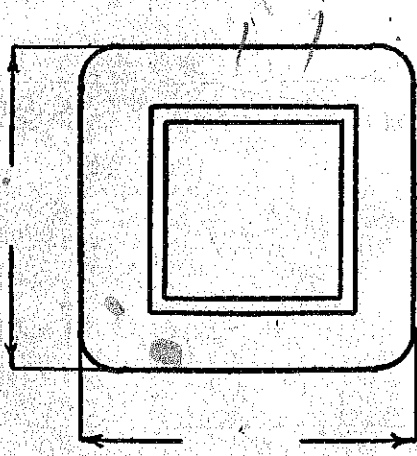
Winding							
Turns	600						
Taps							
Wind. Lgth.	7/8						
Wire Size	#26						
T. P. L.	45-14						
Finish	Sil Bz						
Type Lead							
Lead Lgth.	3"						
Layer Insul.	407						
Test Volt.							
Wrapper	3600561						

TUBE 7007 IMPREGNATION Varnish

CORE GA. 24 GRADE D STACK 2x2

MOUNTING D - mount on special plate with # 4203

TPV = 650
Fe = 126 @ 60w
151 @ 50w



DESIGNED BY *SW*

DATE 9/1/38

150 ma input Choke

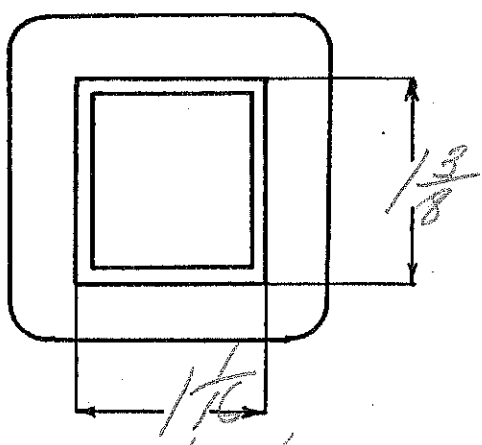
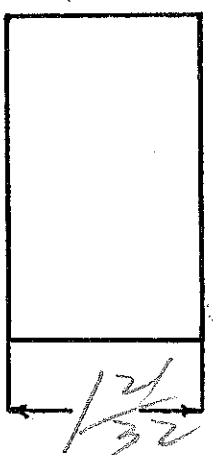
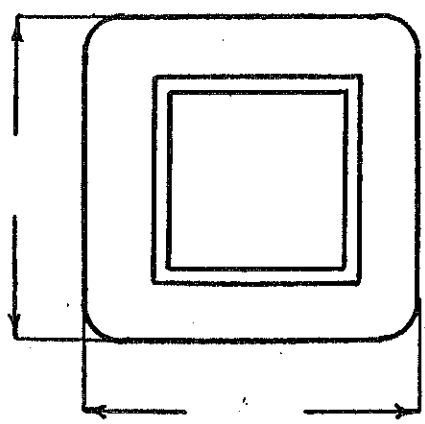
SPEC. NO. 4323

Winding	P					
Turns	3600					
Taps	-					
Wind. Lgth.	1 3/8					
Wire Size	#29					
T. P. L.	100-36					
Finish						
Type Lead	#20 W/B					
Lead Lgth.	9 1/2					
Layer Insul.	30 #					
Test Volt.	2500 1600 V/C					
Wrapper	2005 GA					

TUBE 71007+1605VC IMPREGNATION Varnish

CORE GA. 24 GRADE 0 STACK 12x12

MOUNTING SA - Cnt. shells - Black Lamination



DESIGNED BY

DATE 10/24/38

COIL

Drumball # 20973

SPEC. NO. 4324

Winding							
Turns	1900						
Taps	-						
Wind. Lgth.	7/8						
Wire Size	#28						
T. P. L.	58-33						
Finish	#20						
Type Lead	slat						
Lead Lgth.	7'						
Layer Insul.	36#						
Test Volt.							Double varnish
Wrapper	1007VC 22 Kraft						hard bake
TUBE	52007H1007VC			IMPREGNATION			

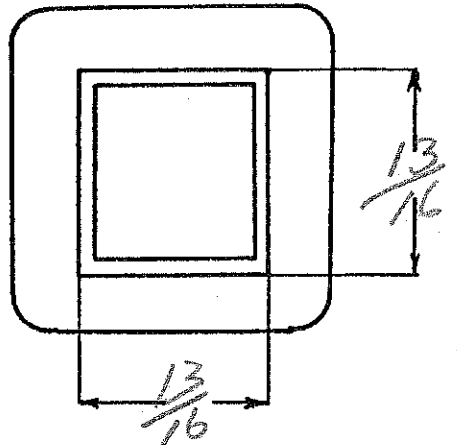
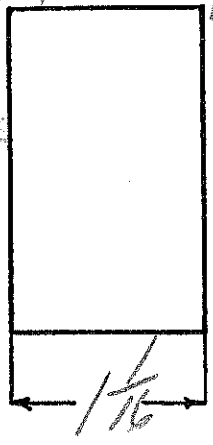
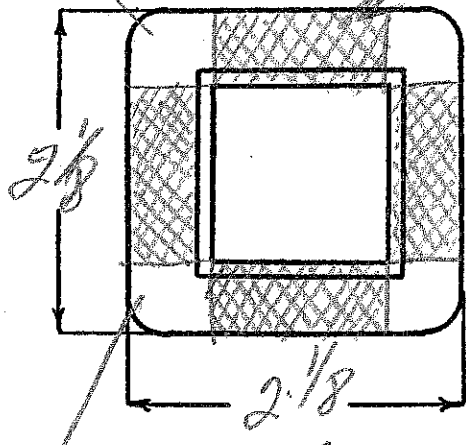
CORE GA. GRADE STACK

MOUNTING

Coil must be kept within outside dimensions

"mask" over sides of coil

wrap sides of coil with 1007VC + 10058A



DESIGNED BY *SW*

DATE 9/2/38

CHOKE

EPA-ASP-54179

SPEC. NO. 4325

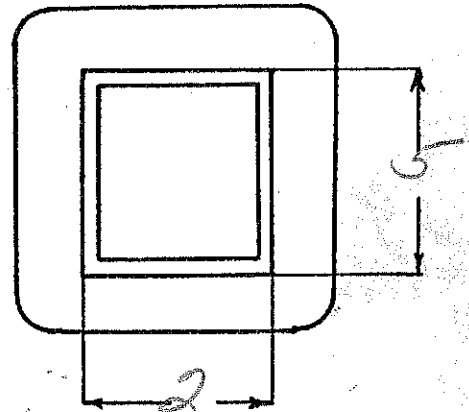
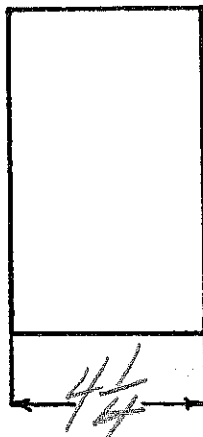
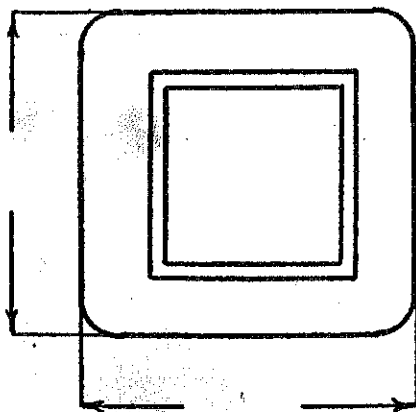
Winding							
Turns	350						
Taps	-						
Wind. Lgth.	4'						
Wire Size	#10						
T. P. L.	35-10						
Finish							
Type Lead	W.O.						
Lead Lgth.	6"						
Layer Insul.	007K						
Test Volt.							
Wrapper	3L0056A						

TUBE	106007	IMPREGNATION	varnish
------	--------	--------------	---------

CORE	GA. 24	GRADE D	STACK .050" pp
------	--------	---------	----------------

MOUNTING G Stud Bolts

.020" fiber between lamination and case as magnetic insulator



DESIGNED BY gw

DATE 9/12/38

res - 121.2 Ω per coil

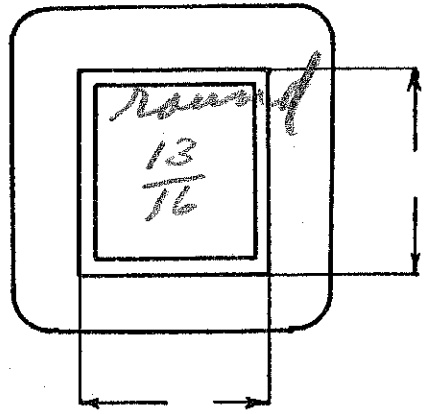
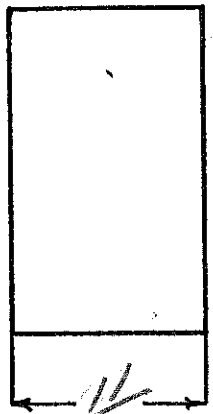
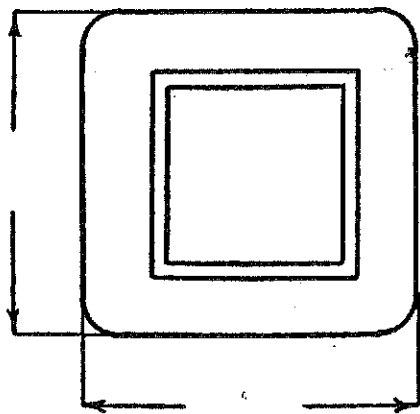
SPEC. NO. 4328

Winding							
Turns	11970						
Taps							
Wind. Lgth.	1/2"						
Wire Size	#33						
T. P. L.	58						
Finish	sil Brn						
Type Lead							
Lead Lgth.	4"						
Layer Insul.	30#						
Test Volt.							
Wrapper	2005GA						

TUBE	4407	IMPREGNATION	varnish
------	------	--------------	---------

CORE	GA.	GRADE	STACK
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MOUNTING



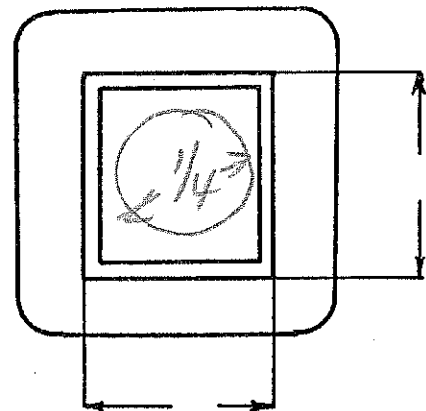
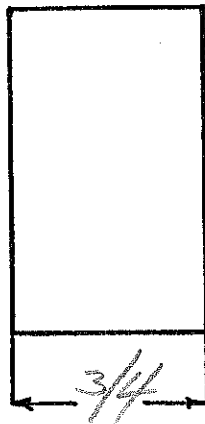
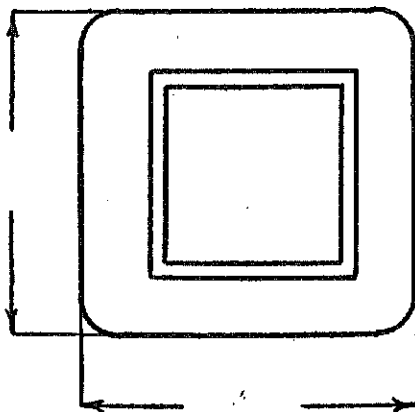
DESIGNED BY *[Signature]*

DATE 9/14/38

110V coil

SPEC. NO. 4329

Winding	<i>P</i>						
Turns	<i>3600</i>						
Taps	<i>-</i>						
Wind. Lgth.	<i>5/8</i>						
Wire Size	<i>#36</i>						
T. P. L.	<i>102-36</i>						
Finish							
Type Lead	<i>#24 B</i>						
Lead Lgth.	<i>6"</i>						
Layer Insul.	<i>20#</i>						
Test Volt.							
Wrapper	<i>2 L0056A</i>						
TUBE	<i>52007</i>			IMPREGNATION	<i>Momsh</i>		
CORE		GA.		GRADE	STACK		
MOUNTING							



DESIGNED BY

DATE

COIL

EMERSON BROS. MFG. CO.

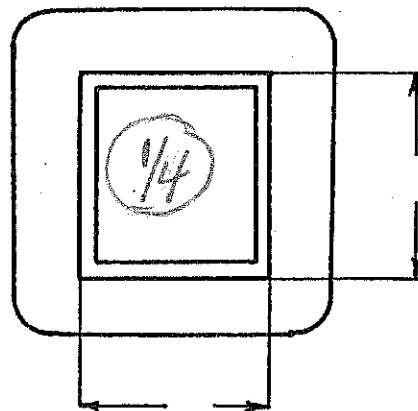
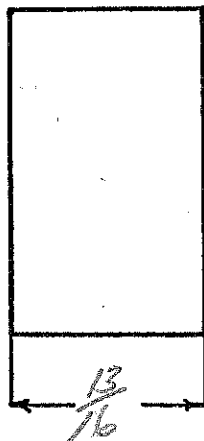
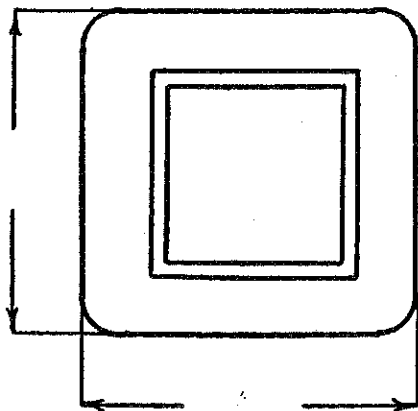
SPEC. NO. 4331

Winding	P						
Turns	6000						
Taps	—						
Wind. Lgth.	1 1/16						
Wire Size	#35						
T. P. L.	101						
Finish							
Type Lead	Thinheads						
Lead Lgth.	6"						
Layer Insul.	207						
Test Volt.							
Wrapper	260056A						

TUBE	57007	IMPREGNATION	Varnish
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CORE	GA.	GRADE	STACK
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MOUNTING



DESIGNED BY

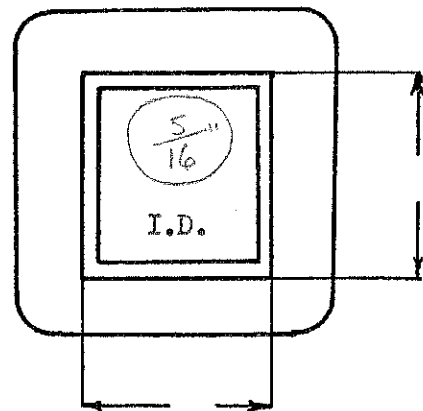
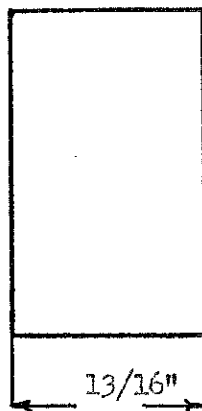
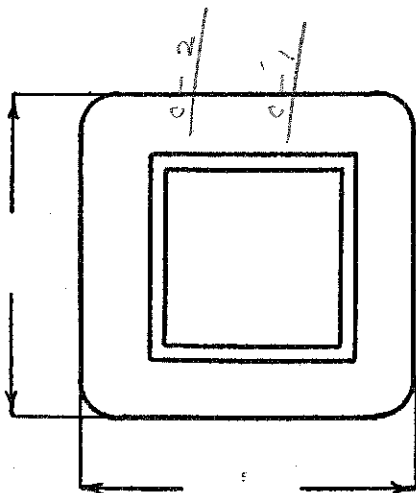
SW

DATE

9/22/38

SPEC. NO. 4332

Winding		COIL				
Turns		7850				
Taps		-				
Wind. Lgth.		11/16"				
Wire Size		#35				
T. P. L.		101 - 78L				
Blank PITCH		90%				
Type Lead		#22 Pr. Br.				
Lead Lgth.		12"				
Layer Insul.		1L 20#G				
Test Volt.						
Wrapper		2L .005" GA				
TUBE	5L - .007" GK / 1L - .003" VP		IMPREGNATION		VARNISH	
CORE	None	GA. -	GRADE -	STACK -		
MOUNTING	None					



DESIGNED BY GW

DATE 9-23/38

MAR 21 1945 (copied, me)

4332

BLACK C-1

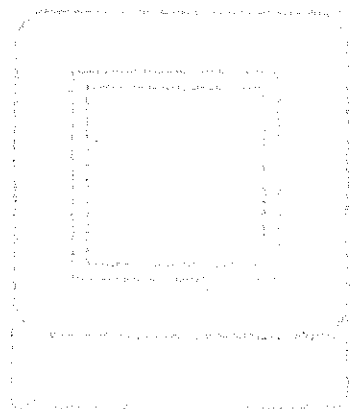
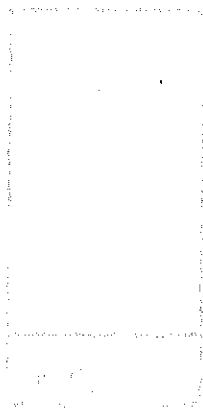
690

+5% - 10%

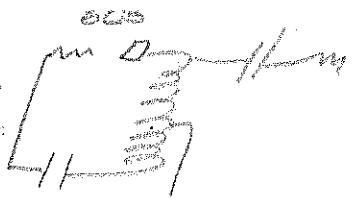
BLACK C-2

Check out Bridge

WATERMARK



Special choke
for low freq.
oscillator



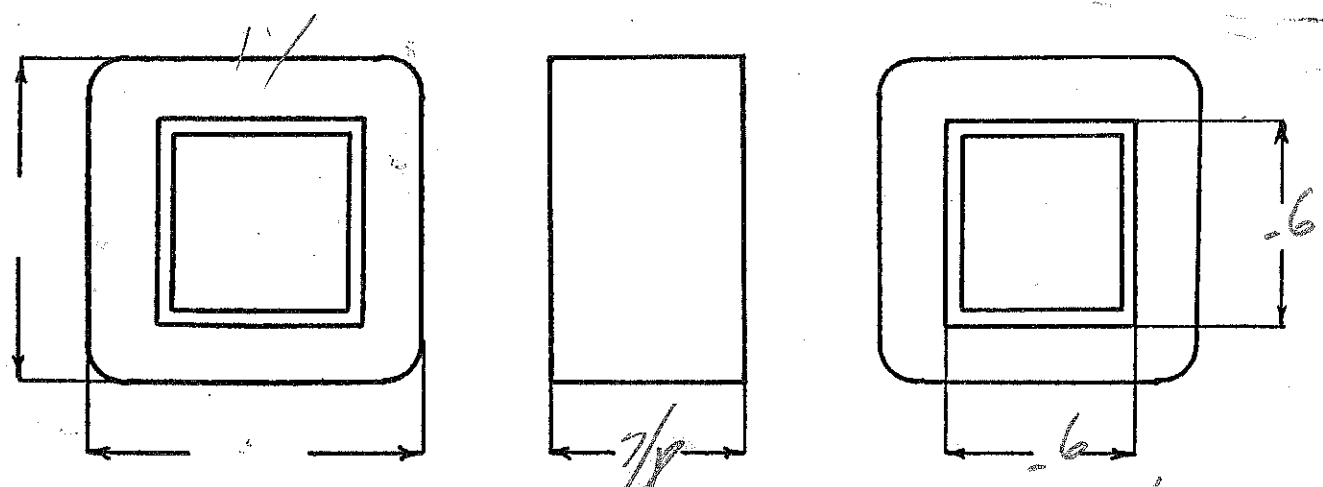
SPEC. NO. 4333

Winding	PR1						
Turns	7000						
Taps	A650						
Wind. Lgth.	1 3/4						
Wire Size	#38						
T. P. L.	155						
Finish							
Type Lead	Sil 10						
Lead Lgth.	3"						
Layer Insul.	16#						
Test Volt.							
Wrapper	21005GA.						

TUBE 41007 IMPREGNATION Varnish

CORE GA. 29 GRADE B STACK 2x2

MOUNTING D



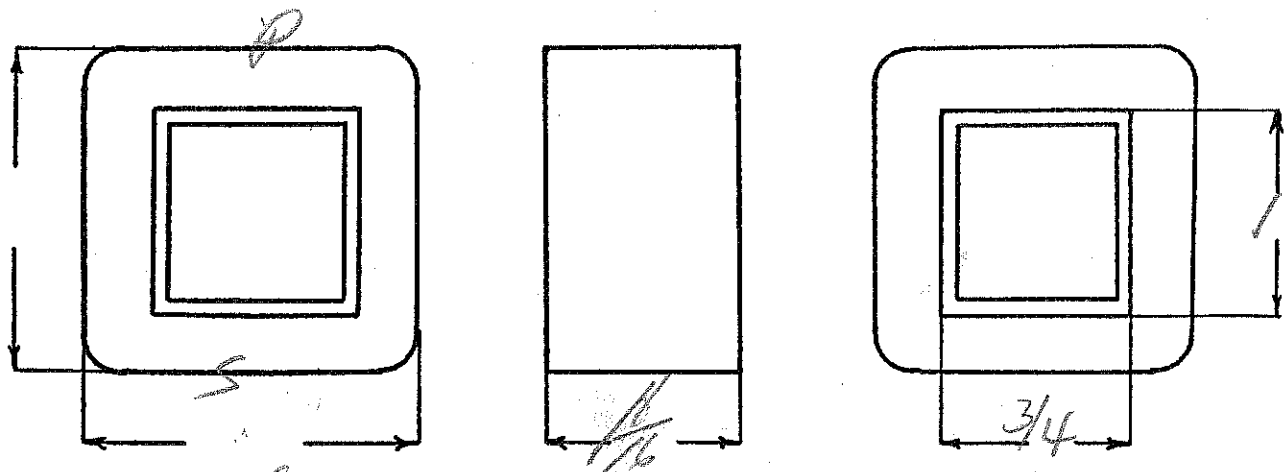
DESIGNED BY Law

DATE 9/26/38

Class 646 to 10,000 ohm sec

SPEC. NO. 4334

Winding	ϕ	S				
Turns	2400	2400				
Taps	1200	—				
Wind. Lgth.	$7/8$					
Wire Size	#35	#35				
T. P. L.	134-20	134-20				
Finish						
Type Lead	Sil Br	Sil Br				
Lead Lgth.	3'	3'				
Layer Insul.	20#	20#				
Test Volt.						
Wrapper	110071C	21005EA				
TUBE	71007		IMPREGNATION		Varnish	
CORE	GA. 26		GRADE ϕ		STACK 0.05" gap	
MOUNTING	ϕ					

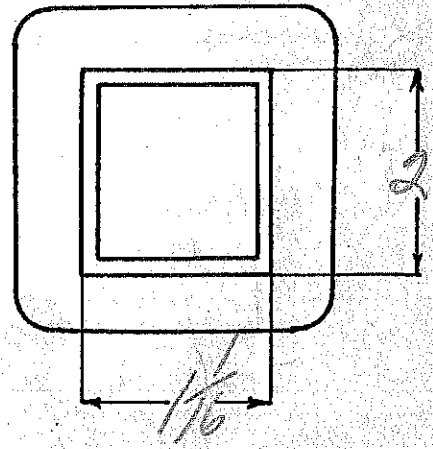
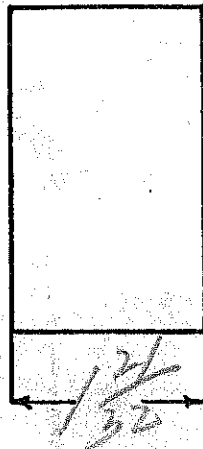
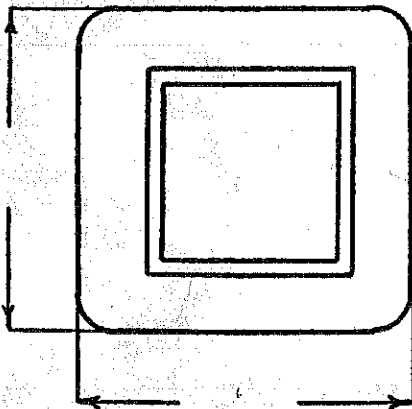


DESIGNED BY Graves

DATE 9/26/38

SPEC. NO. 4335

Winding						
Turns	4440					
Taps	—					
Wind. Lgth.	1 15/32					
Wire Size	#24					
T. P. L.	11-40					
Finish						
Type Lead	#20 B&W					
Lead Lgth.	10" out of case					
Layer Insul.	30#					
Test Volt.	2500					
Wrapper	210056A					
TUBE	17007	IMPREGNATION	Varnish			
CORE	GA. 24	GRADE	D	STACK	0.30" dia	
MOUNTING	A- .030" armita between lam. & case					



DESIGNED BY

gw

DATE

9/28/38

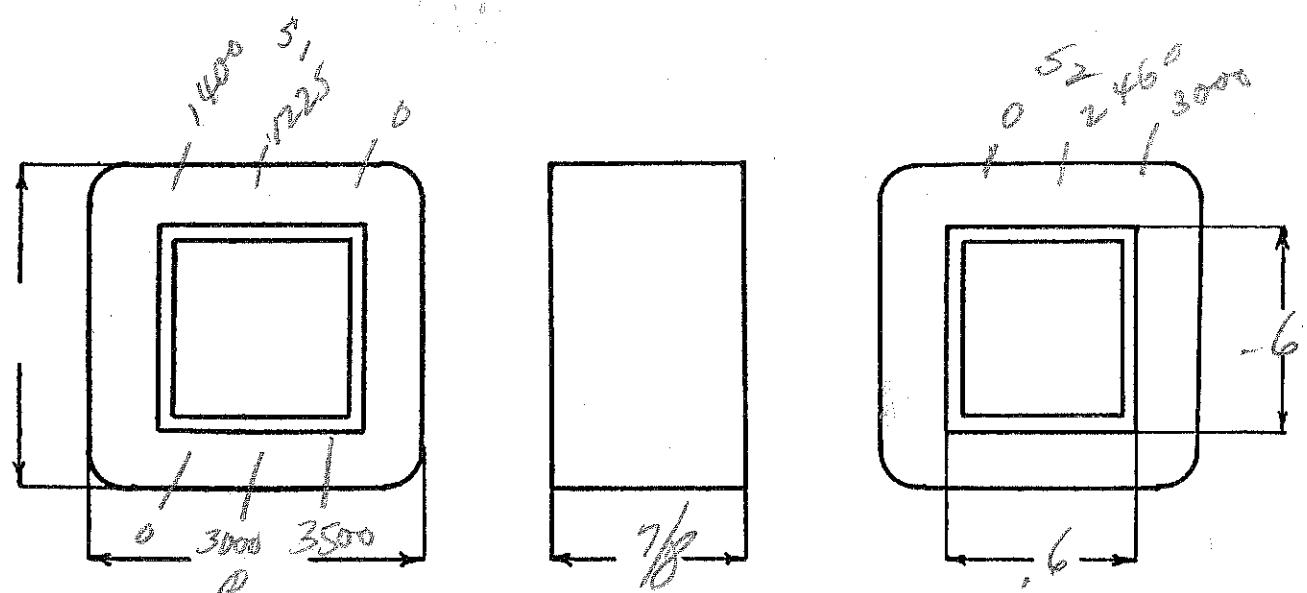
SPEC. NO. 4336

Winding	S ₁	P	S ₂				
Turns	1400	3500	3000				
Taps	1225	3000	2460				
Wind. Lgth.	3/4						
Wire Size	#39	#39	#39				
T. P. L.	176-8	176-20	176-18				
Finish							
Type Lead	SIL	BR					
Lead Lgth.	3"	3"	3"				
Layer Insul.	16#	✓	✓				
Test Volt.							
Wrapper	1L005K	1L005K	2L005GA				

TUBE 4L007 IMPREGNATION varnish

CORE GA. 29 GRADE B STACK 2x2

MOUNTING D



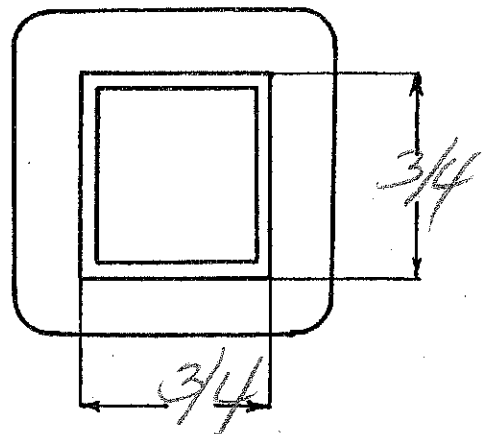
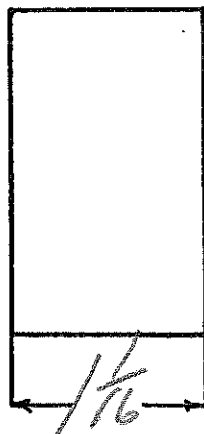
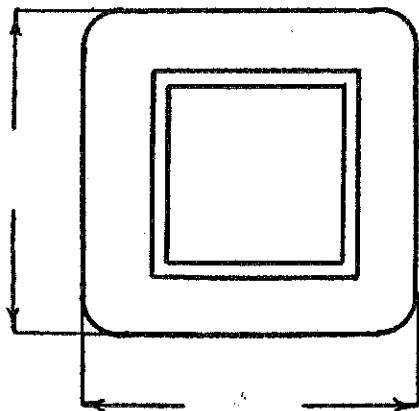
DESIGNED BY P. RW

DATE 10/6/38

19 mch

SPEC. NO. 4337

Winding	1						
Turns	200						
Taps							
Wind. Lgth.	7/8						
Wire Size	#21						
T. P. L.	26-8						
Finish							
Type Lead	W. O.						
Lead Lgth.	311						
Layer Insul.	50#						
Test Volt.							
Wrapper	260056A						
TUBE	4L007	IMPREGNATION			Varnish		
CORE	GA. 29	GRADE B			STACK .010" gap		
MOUNTING	D - insulate lamination .025" fibre						



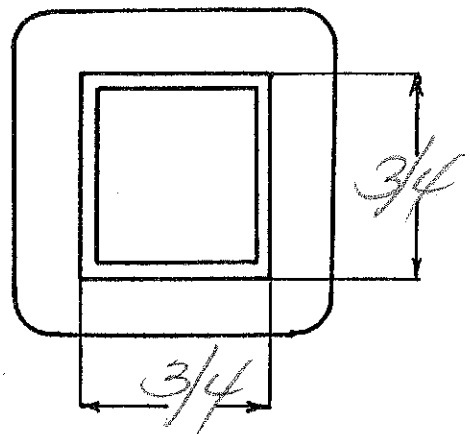
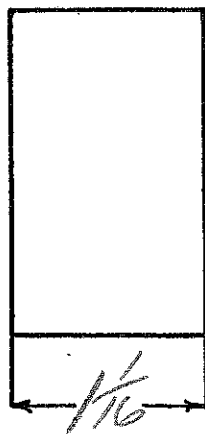
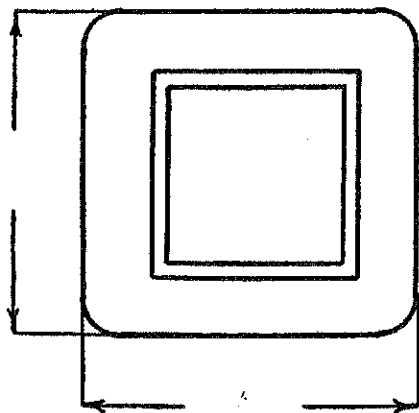
DESIGNED BY Greaver

DATE 9/29/38

32 mh

SPEC. NO. 4338

Winding							
Turns	225						
Taps							
Wind. Lgth.	7/8						
Wire Size	#21						
T. P. L.	26-9						
Finish							
Type Lead	W/O.						
Lead Lgth.	3"						
Layer Insul.	50%						
Test Volt.							
Wrapper	26005EA						
TUBE	46007		IMPREGNATION	Varnish			
CORE		GA.	GRADE	STACK .010" gap			
MOUNTING	D - insulate lamination - 020" fibre						



DESIGNED BY Gweaner

DATE 9/29/38

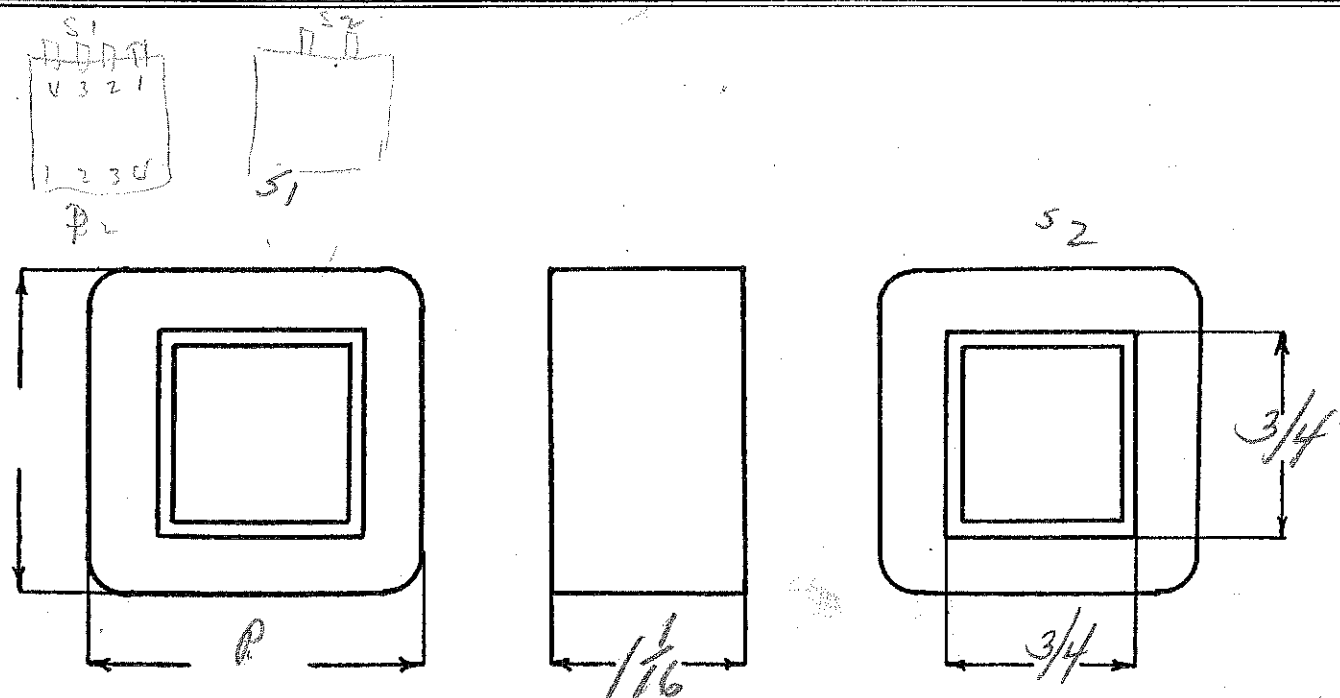
SPEC. NO. 4339

Winding	S ₁	P	S ₂			
Turns	2000	4000	5000			
Taps	1600 1200	3000 2000				
Wind. Lgth.	7/8					
Wire Size	#39	#39	#39			
T. P. L.	200					
Finish						
Type Lead	Sil Brand					
Lead Lgth.	3"	3"	3"			
Layer Insul.	16#					
Test Volt.						
Wrapper	1005VC 3L 2P	1005VC 3L 2P	20056A			

TUBE 5L007 IMPREGNATION vacuum

CORE GA. 29 GRADE B STACK 2x2

MOUNTING D



DESIGNED BY Sw

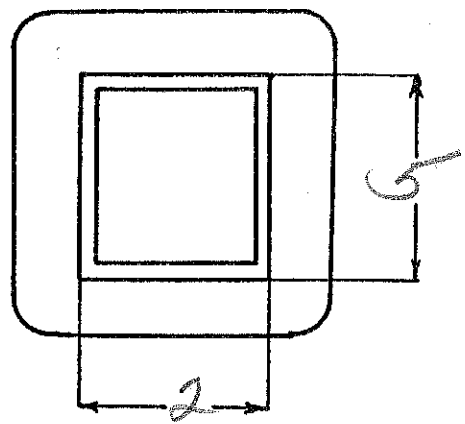
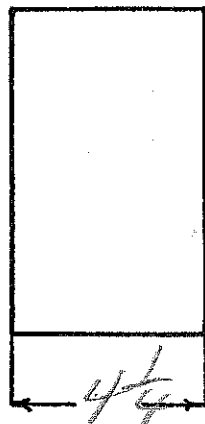
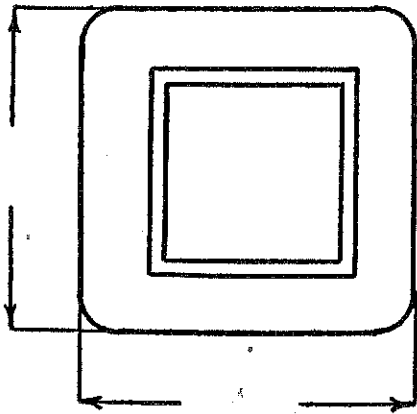
DATE 9/29/38

Special chokes - EPP1

SPEC. NO. 4340

Winding							
Turns	104						
Taps							
Wind. Lgth.							
Wire Size	double #8						
T. P. L.							
Finish	W.U.						
Type Lead							
Lead Lgth.	4"						
Layer Insul.	007K						
Test Volt.							
Wrapper	3L005GA						
TUBE	12L007	IMPREGNATION			Varnish		
CORE	GA. 24	GRADE D			STACK .040" gap		
MOUNTING	G						

30x20



DESIGNED BY gwr

DATE 10/6/38

Special Coil

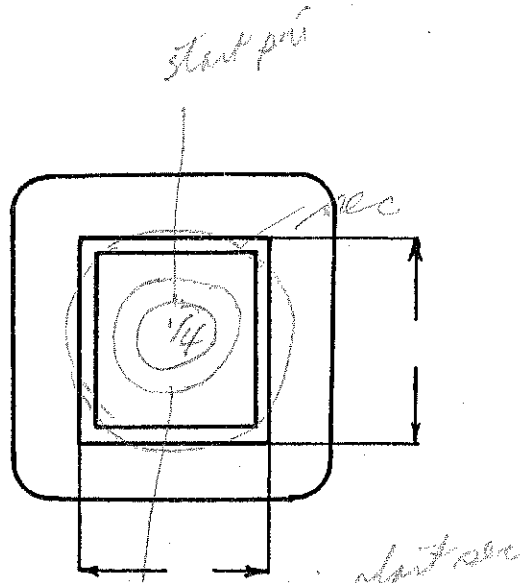
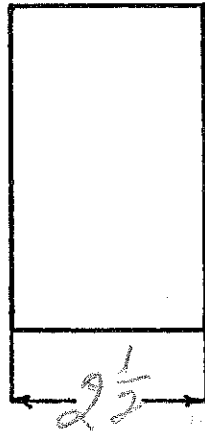
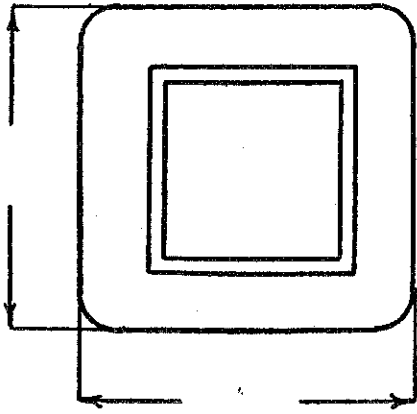
SPEC. NO. 434

Winding	P	S				
Turns	240	14000				
Taps						
Wind. Lgth.	2"	2"				
Wire Size	#24	#40				
T. P. L.	80.3	520				
Finish						
Type Lead	W.O.	sil m				
Lead Lgth.	3'	3'				
Layer Insul.	30 #	double 12 #				
Test Volt.						
Wrapper	11003VP	none				

TUBE	46007	IMPREGNATION	varnish
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CORE	micro lam - to	GA.	GRADE	STACK
------	----------------	-----	-------	-------

MOUNTING project 5/8" past each end of coil



DESIGNED BY gwo

DATE 10/11/38
finish pri, start sec

3500
0

1231
1090 - 6mm
0 - 666

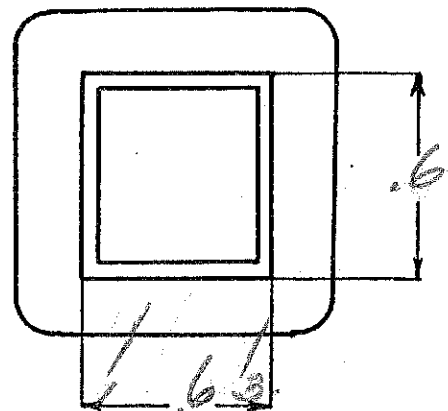
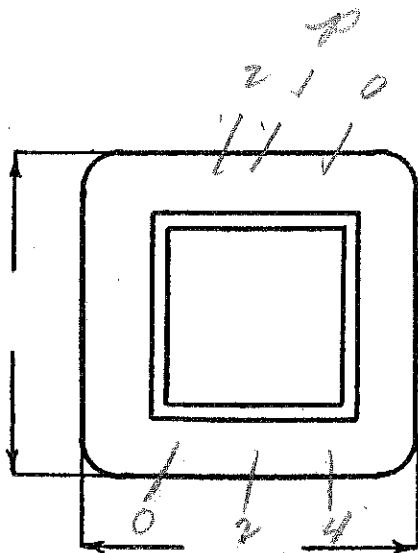
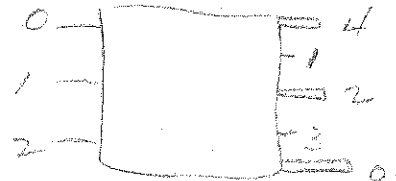
SPEC. NO. 4342

Winding	P	S				
Turns	3800					
Taps	3500	685	- 1095	- 1231	- 1370	
Wind. Lgth.	3/4					
Wire Size	#39	#37				
T. P. L.	175-22	137				
Finish						
Type Lead	Sil Bn					
Lead Lgth.	3"	3"				
Layer Insul.	12#	16#				
Test Volt.						
Wrapper	1005VU 46208	2005GA				

TUBE	4007	IMPREGNATION	VARNISH
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CORE	4007	GA.	24	GRADE	B	STACK	2x2
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MOUNTING P



DESIGNED BY

Geo

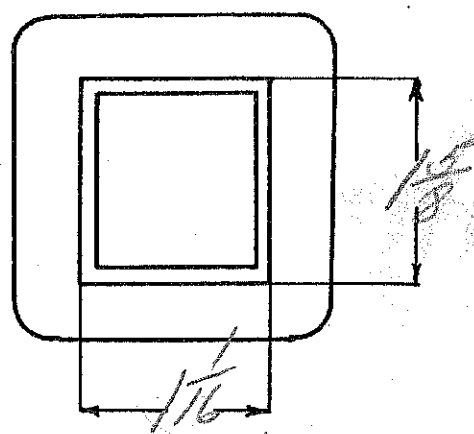
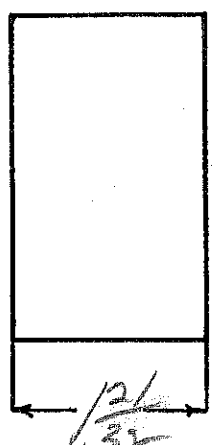
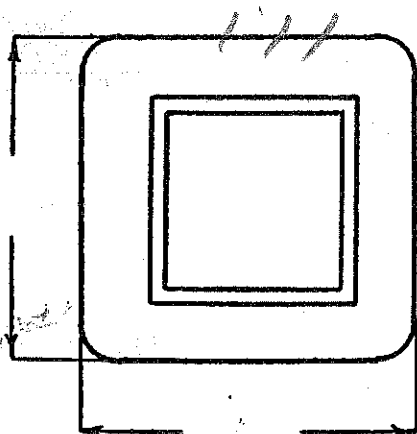
DATE

10/12/38

25HCT 150ma

SPEC. NO. 4343

Winding	P						
Turns	4800						
Taps	2400						
Wind. Lgth.	1 3/8						
Wire Size	#30						
T. P. L.	115-42						
Finish							
Type Lead	#20 Dulac						
Lead Lgth.	18"						
Layer Insul.	30 #						
Test Volt.							
Wrapper	1007VC 21005GA						
TUBE	71007+1007VC	IMPREGNATION	Varnish				
CORE	GA. 24	GRADE	D	STACK	010" gap		
MOUNTING	K	Tar					



DESIGNED BY *gwr*

DATE 10/17/38

#3.50

Box size #
Box size 6 A

Mounting holes. $2\frac{1}{8} \times 2\frac{1}{8}$ tapped $\frac{3}{32}$

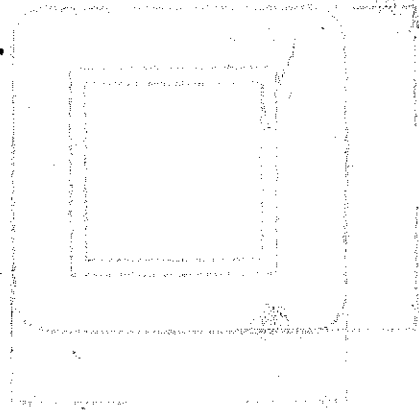
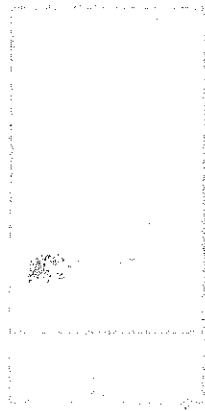
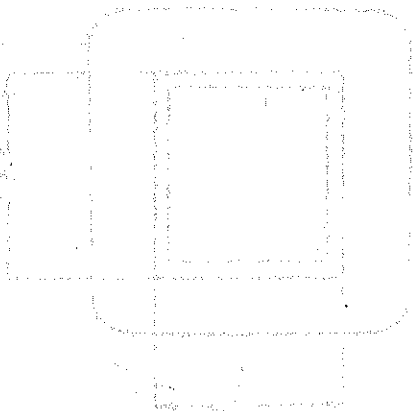
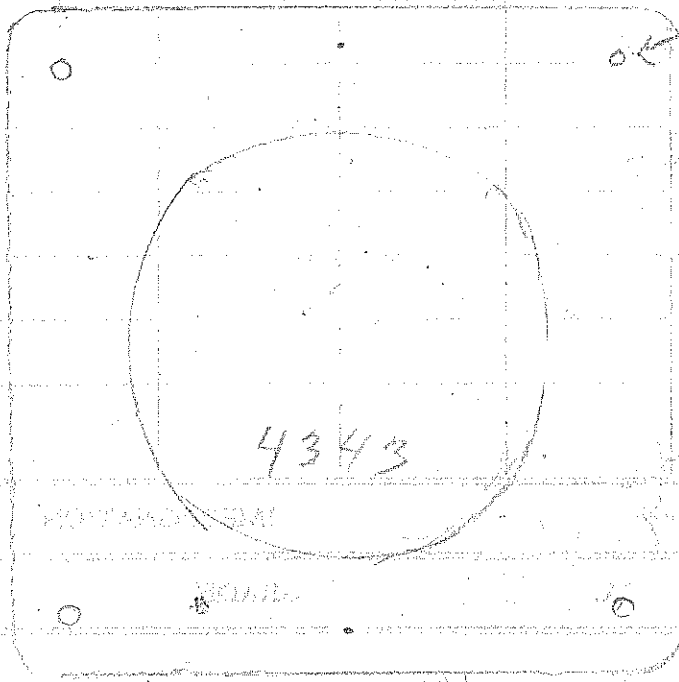
H - $4\frac{1}{16}$

W - $3\frac{3}{8}$

L - $3\frac{3}{8}$

$2\frac{13}{16}$ D.

$\frac{9}{16}$ hole.



special coils

JOHN W. BROWN

SPEC. NO.

4345

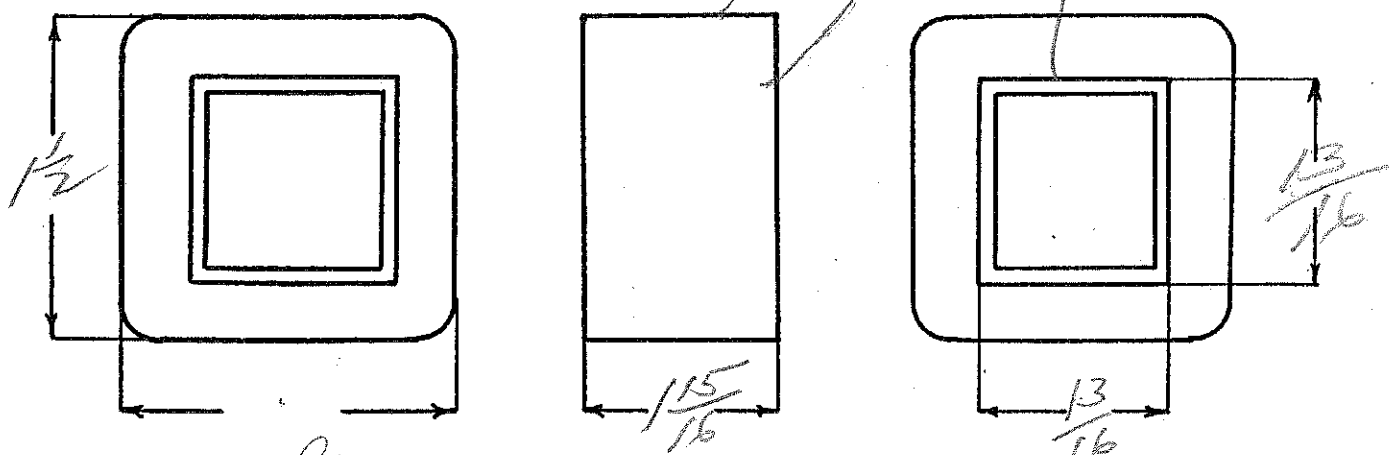
Winding							
Turns	11100						
Taps							
Wind. Lgth.	19 1/16						
Wire Size	#37						
T. P. L.	280						
Finish	#						
Type Lead	#20 Rulas						
Lead Lgth.	6"						
Layer Insul.	20#						
Test Volt.							
Wrapper	1200 PVC 210056A						

TUBE	4007-1100VC	IMPREGNATION	Varnish
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CORE	GA.	GRADE	STACK
------	-----	-------	-------

MOUNTING

start lead in coil



DESIGNED BY *J.W.*

DATE 10/24/38

COILS

MACOR, INC.

(MR. COBURN)

Pri - 2000

Chablin

SPEC. NO.

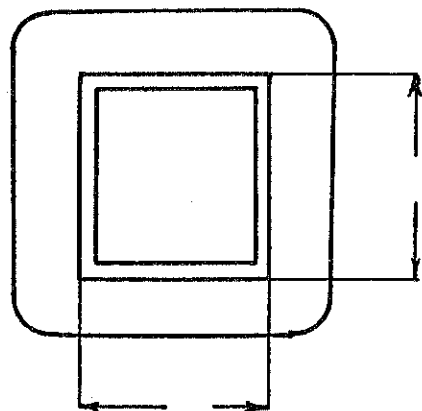
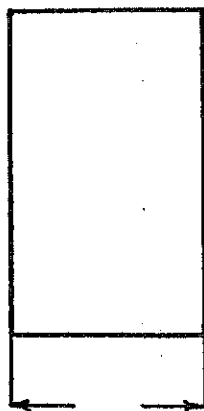
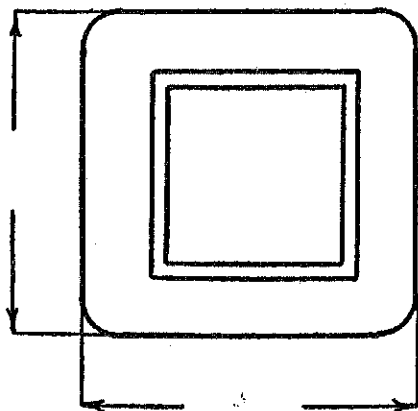
4346

Winding	Pri						
Turns	6000						
Taps	—						
Wind. Lgth.							
Wire Size	#38						
T. P. L.	—						
Finish	—						
Type Lead	4mm cello						
Lead Lgth.	6"						
Layer Insul.	—						
Test Volt.							
Wrapper	Scotch Elect.						

TUBE		IMPREGNATION	
------	--	--------------	--

CORE	GA.	GRADE	STACK
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MOUNTING



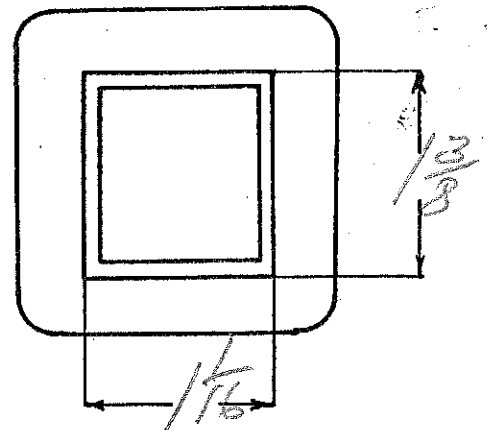
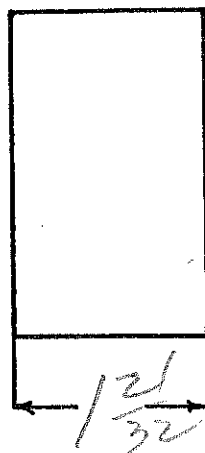
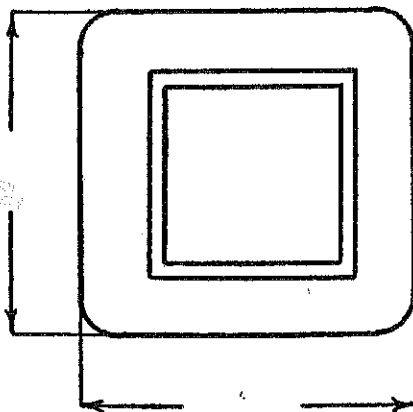
DESIGNED BY

DATE

150 ma smoothing choke

SPEC. NO. 4347

Winding	0					
Turns	3600					
Taps						
Wind. Lgth.	13/8					
Wire Size	#29					
T. P. L.	100-36					
Finish						
Type Lead	+20 Pk					
Lead Lgth.	9 1/2					
Layer Insul.	30#					
Test Volt.	2500					
Wrapper	1607VC 26005GA					
TUBE	71007+1607VC	IMPREGNATION	Varnish			
CORE	GA. 24	GRADE	D			
MOUNTING	SA - cad shells,	Black Lamination				



DESIGNED BY

DATE 10/24/38

similar to 01192

SPEC. NO. 4348

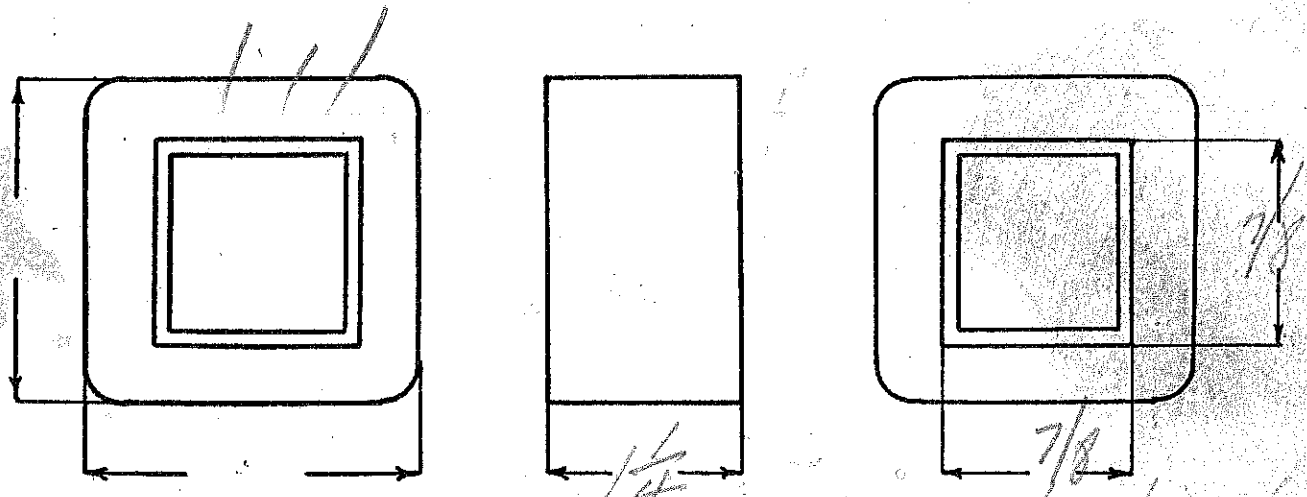
Winding	PRI.						
Turns	4000						
Taps	440						
Wind. Lgth.	1 1/16						
Wire Size	32						
T. P. L.	110						
Finish	Sil. Br.						
Type Lead							
Lead Lgth.	3'						
Layer Insul.	20%						
Test Volt.	3500V						
Wrapper	24005VE 24005GA						

TUBE 74007+116007V IMPREGNATION Varnish

CORE GA. 24 GRADE D STACK .005" gap

MOUNTING D

heavy finishes



DESIGNED BY ew

DATE 11/26/38

Special sine wave output

E. J. ROSE

(SOUND PRODS. CO.)

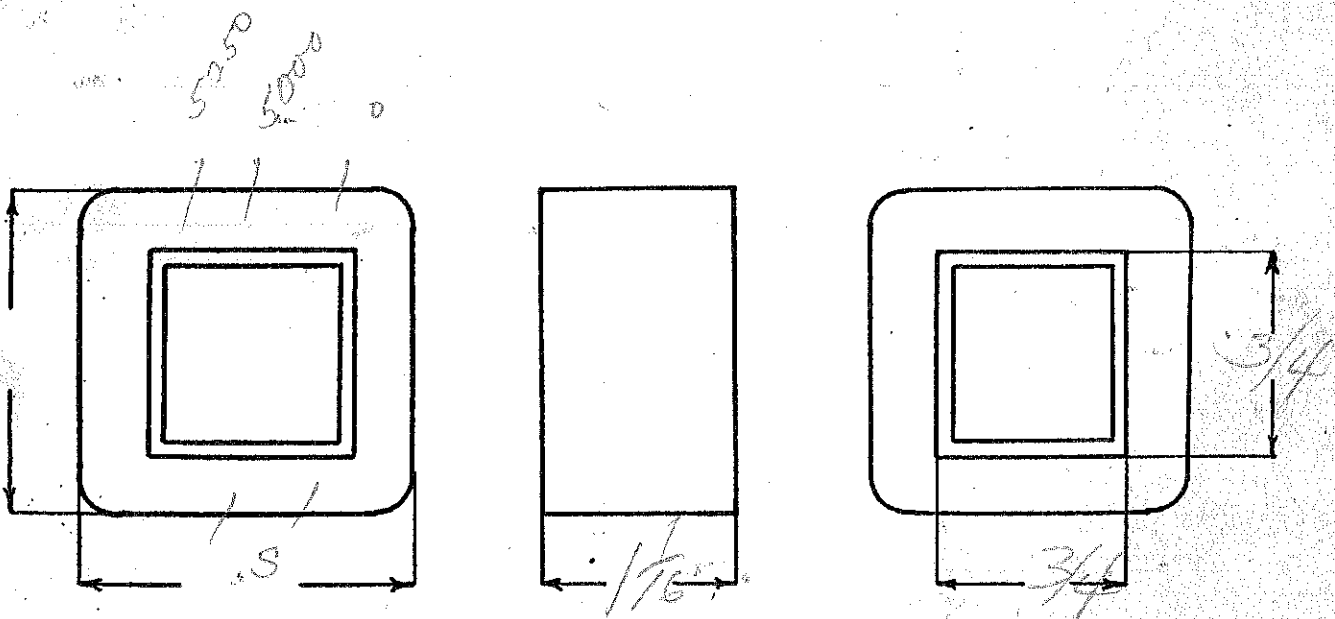
SPEC. NO. 4349

Winding	P	S				
Turns	5250	1250				
Laps	5000					
Wind. Lgth.	7/8	7/8				
Wire Size	#38	#34				
T. P. L.	180	115				
Finish						
Type Lead	24 B1					
Lead Lgth.	3"	3"				
Layer Insul.	20 #	30 #				
Test Volt.						
Wrapper	16005V 1024R	2005GA				

TUBE 46007 IMPREGNATION Varnish

CORE GA. 29 GRADE B STACK 2 1/2

MOUNTING D



DESIGNED BY

DATE

PP6A5 plates to 2-125 ohm lines

MIL-SPEC 20000

SPEC. NO. 4350

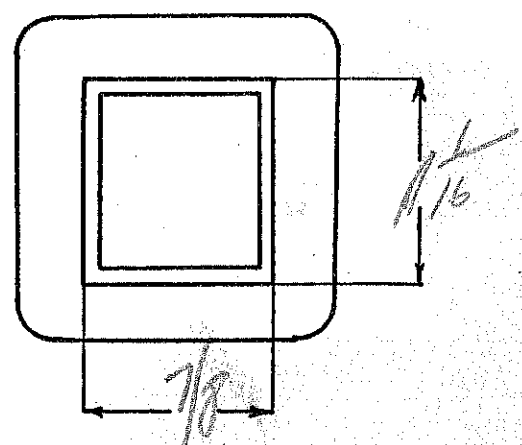
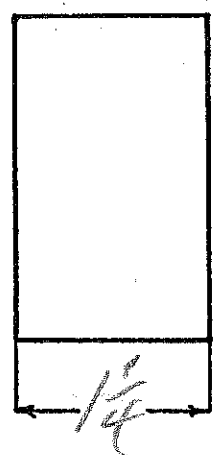
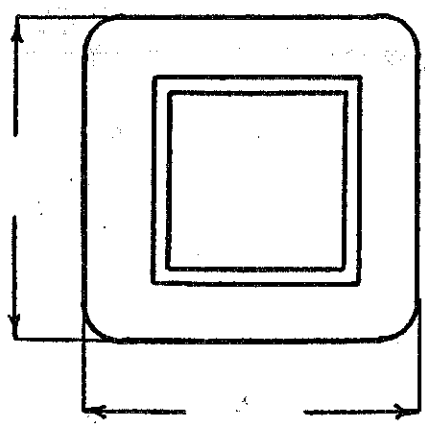
Winding	PRI	S	S				
Turns	2250	360	360				
Taps	1125	-	-				
Wind. Lgth.	1/16						
Wire Size	#33	#29	#29				
T. P. L.	125-18	80-5	80-5				
Finish							
Type Lead	#20 Par Pl.						
Lead Lgth.	90	90	90				
Layer Insul.	30#	✓	✓				
Test Volt.							
Wrapper	1000VC	1000VC	2000560				

TUBE 56007 IMPREGNATION Varnish

CORE GA. 29 GRADE B STACK 2/2

MOUNTING K Leads

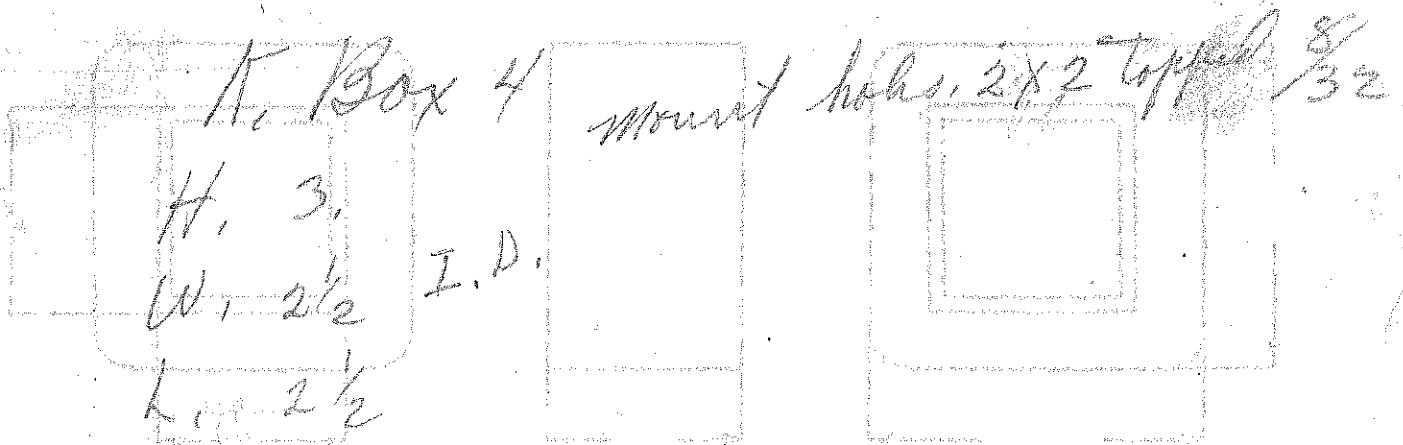
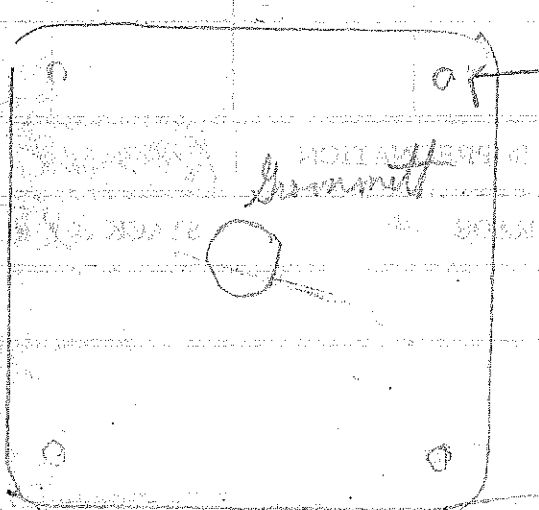
S₁ - Red
S₂ - Blue



DESIGNED BY *[Signature]*

DATE 11/19/38

Sec 1 - Red
Sec 2 - Blue

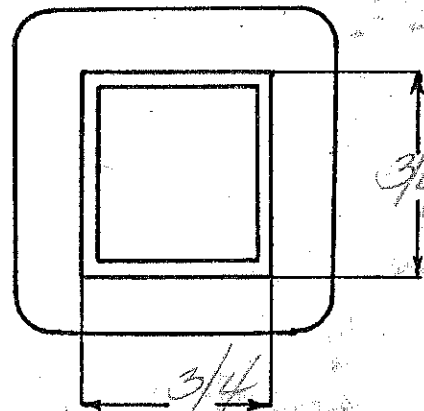
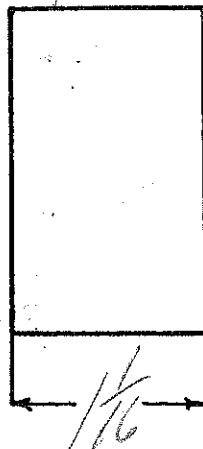
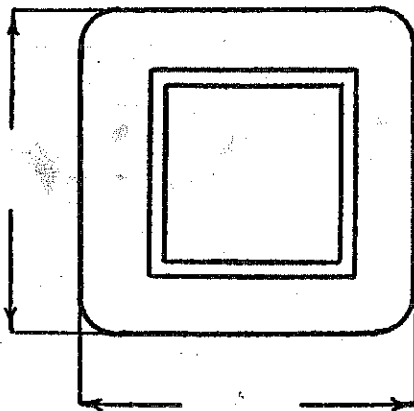


Par. 6N7 plates to PP 6A5 guide
voice freq. only

PIERSON - BELMONT

SPEC. NO. 4351

Winding	MR. Case #543D						
Turns							
Taps							
Wind. Lgth.							
Wire Size							
T. P. L.							
Finish							
Type Lead	# 20 Par. Pl.						
Lead Lgth.	9"	9"					
Layer Insul.							
Test Volt.							
Wrapper							
TUBE				IMPREGNATION	Varnish		
CORE	GA. 24	GRADE B	STACK 2x2				
MOUNTING	K - leads - 6" out of case						



DESIGNED BY

gsw

DATE

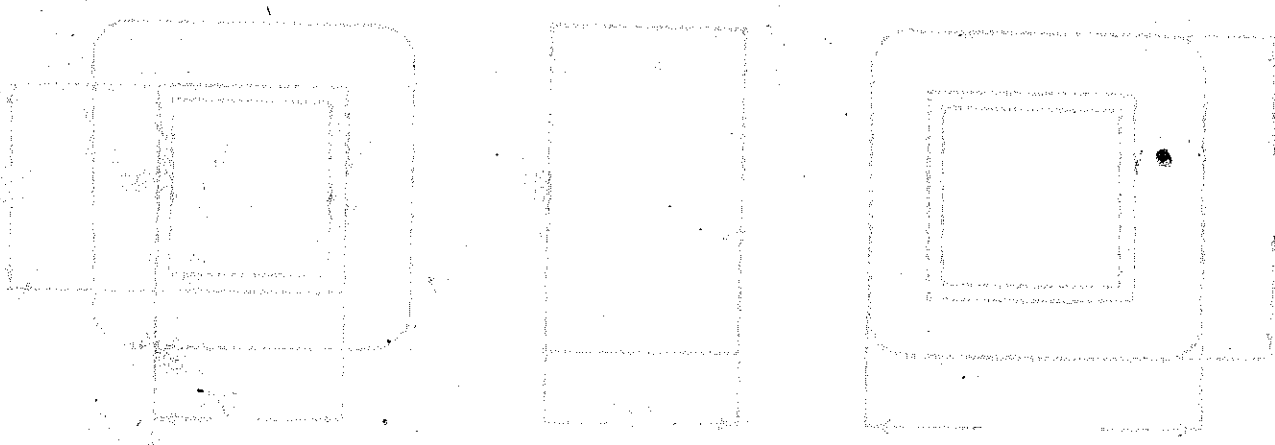
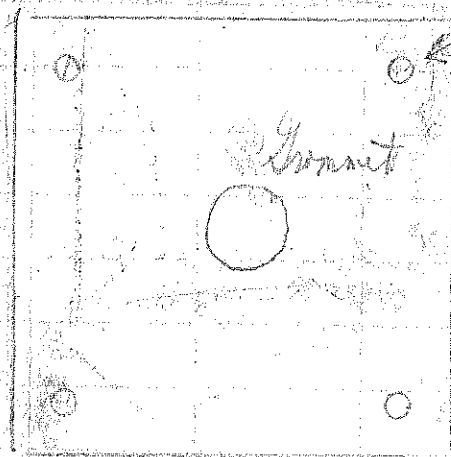
11/14/38

H. Box 3A.

H - 3 topped $\frac{8}{32}$ mount holes, $\frac{13}{4} \times \frac{13}{4}$

W. $2\frac{1}{4}$ I.D.

L - $2\frac{1}{4}$



$P = 115$
 $F_1 = 2.5 \text{ VCT} - 5 \text{ amp}$
 $F_2 = 6.3 \text{ CT} - \frac{1}{2} \text{ amp}$

$B - 12,000$
 $7.5 \frac{1}{2}$

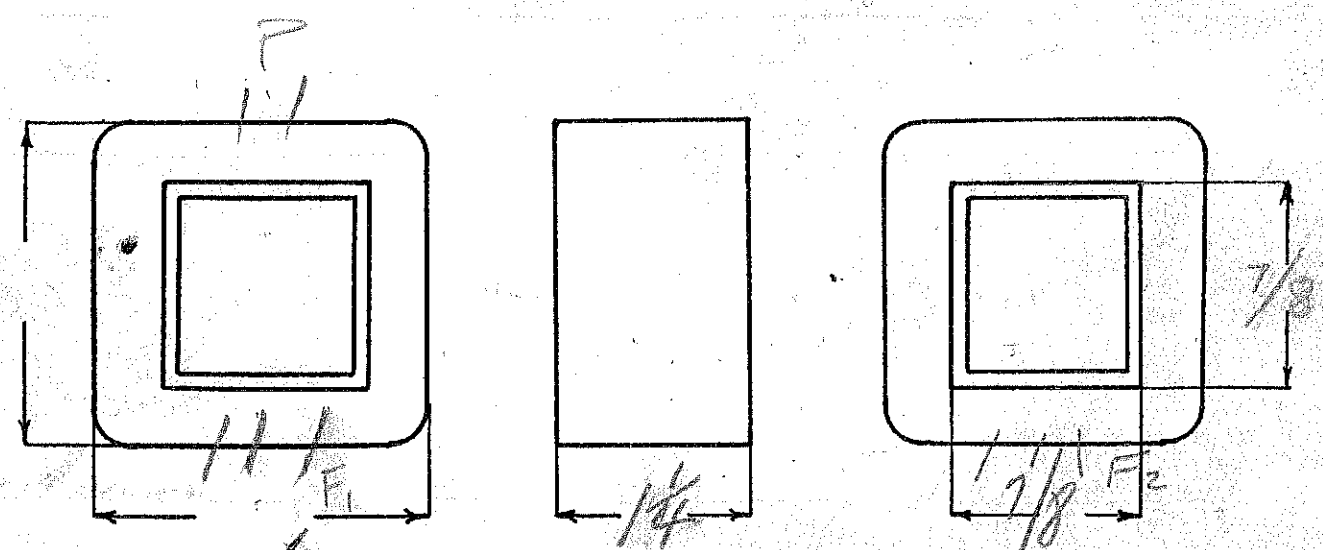
SPEC. NO. 4352

Winding	P	F ₁	F ₂			
Turns	863	20	54			
Taps		10	27			
Wind. Lgth.	1 1/16					
Wire Size	#30	#16	#25			
T. P. L.	86-10					
Finish						
Type Lead	SIDP	w.o.	w.o.			
Lead Lgth.	3"	3"	3"			
Layer Insul.	30#					
Test Volt.						
Wrapper	21005GA	21005GA	21005GA			

TUBE 52007 IMPREGNATION VARNISH

CORE 7/8 x 1/8 GA. 24 GRADE D STACK 2K2

MOUNTING D



DESIGNED BY Smeaders

DATE

2-125 ohm line to class A grid (pri to carry 50 ma)

same winding as 4598

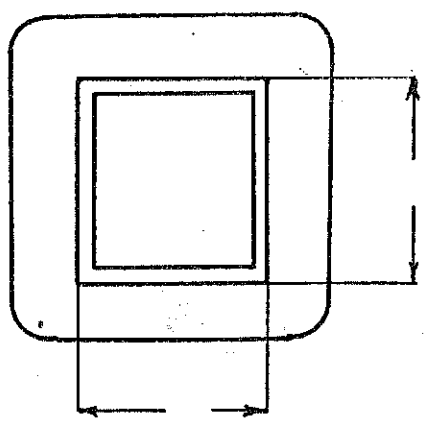
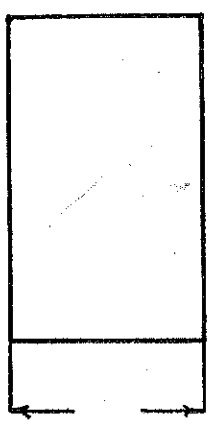
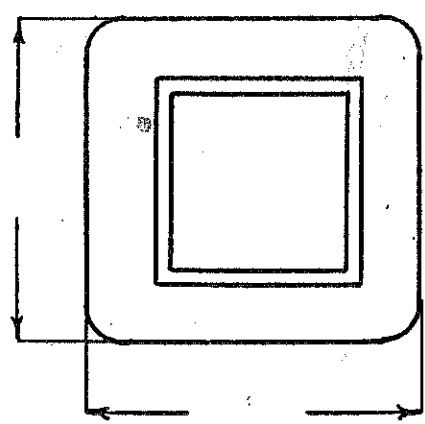
SPEC. NO. 4353

Winding							
Turns							
Taps							
Wind. Lgth.							
Wire Size							
T. P. L.							
Finish					Sec - red		
Type Lead	#20 P/B				Pri. start	black	
Lead Lgth.	9"	9"			finish	white	
Layer Insul.					Pri. start	yellow	
Test Volt.					finish	green	
Wrapper							

TUBE IMPREGNATION *Varnish*

CORE GA. GRADE STACK

MOUNTING *K - leads - 6" out of case*



DESIGNED BY

DATE

Audio
200w to Grid

Pearson Design

SPEC. NO. 4354

Winding	Sec	Pi				
Turns	8400	375				
Taps	—	—				
Wind. Lgth.	7/8"	7/8" = 0.875"				
Wire Size	#40	#29				
T. P. L.	228-376	65-66				
Finish	89%	90%				
Type Lead	#22 Pb. Bk.	#22 Pb. Bk.				
Lead Lgth.	9"	9"				
Layer Insul.	1L 1046 G	1L 3046				
Test Volt.	1250					
Wrapper	1K-005VC	2L				

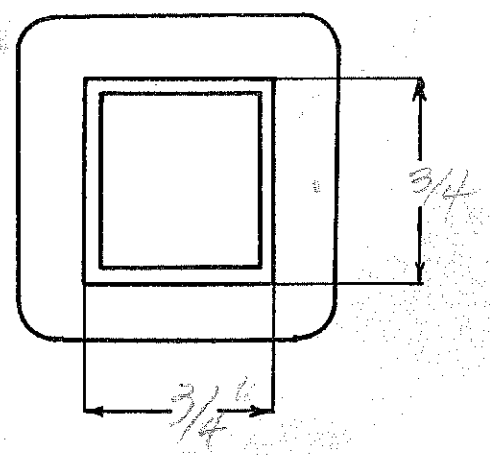
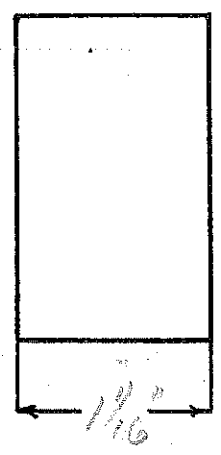
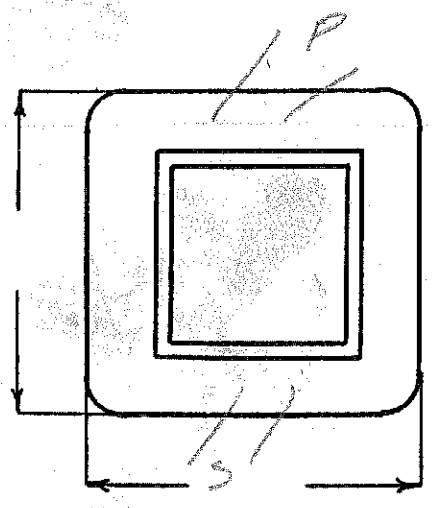
TUBE 7L-007" GK IMPREGNATION Varnish

CORE 3/4" x 3/4" EI GA. 29 GRADE Annealed STACK 2x2

MOUNTING K-Speed

Wire Net = 0.248" (0.234")

Note: Leads cut 6" out of case.



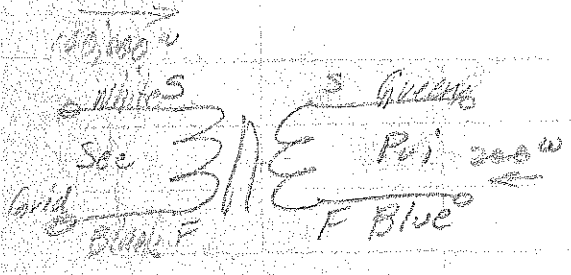
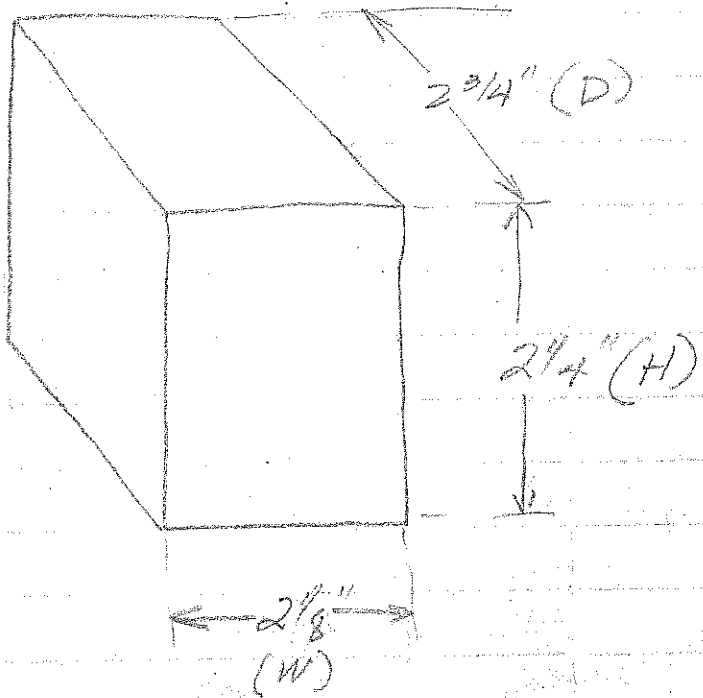
DESIGNED BY HWS

over

DATE 7-31-41

Special K" Case

4 - Terminal



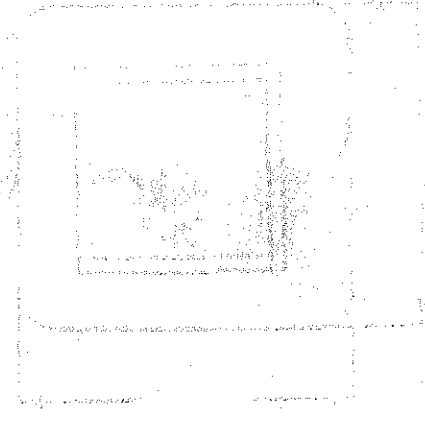
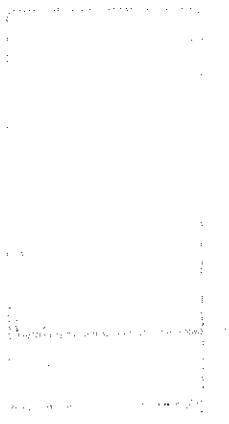
All O.D. Dimensions

$$T = 3400 - 375$$

$$T_0 = 22.4 - 1$$

$$Z_R = 503 - 1$$

$$Z = 100,000 - 200$$



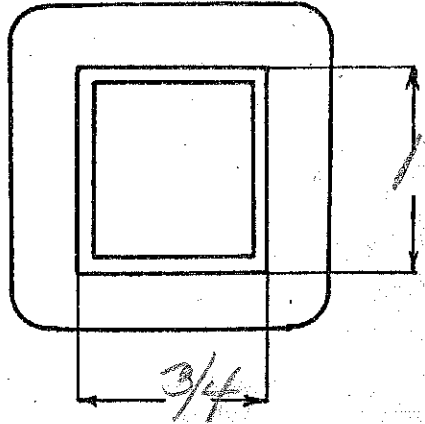
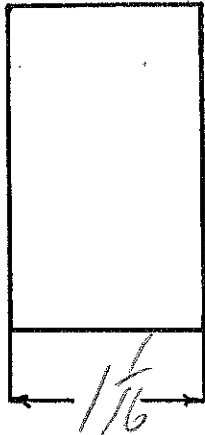
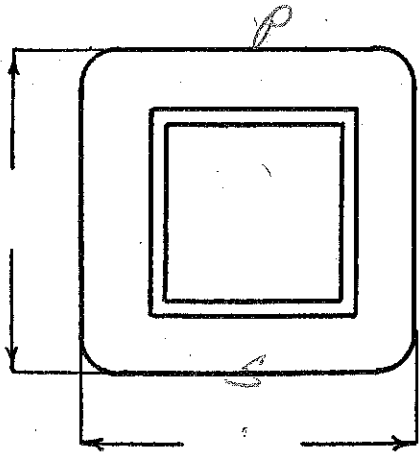
6A6 (12,000 Ω) to 5500 ohm

similar to 402

PIENSON TUBE

SPEC. NO. 4355

Winding	PRI	SEC					
Turns	2400	1650					
Taps	1200	—					
Wind. Lgth.	7/8	7/8					
Wire Size	#35	#33					
T. P. L.	122-20	103-16					
Finish							
Type Lead	#20 Pb Pb						
Lead Lgth.	9"	9"					
Layer Insul.	20#	20#					
Test Volt.							
Wrapper	1100VC 2 1/2"	2005GA					
TUBE	52007		IMPREGNATION		Varnish		
CORE	GA. 24		GRADE D		STACK, 0.05" gap		
MOUNTING	K - leads - 6" out of case 1st order req.						



DESIGNED BY *gwt*

DATE 11/14/38

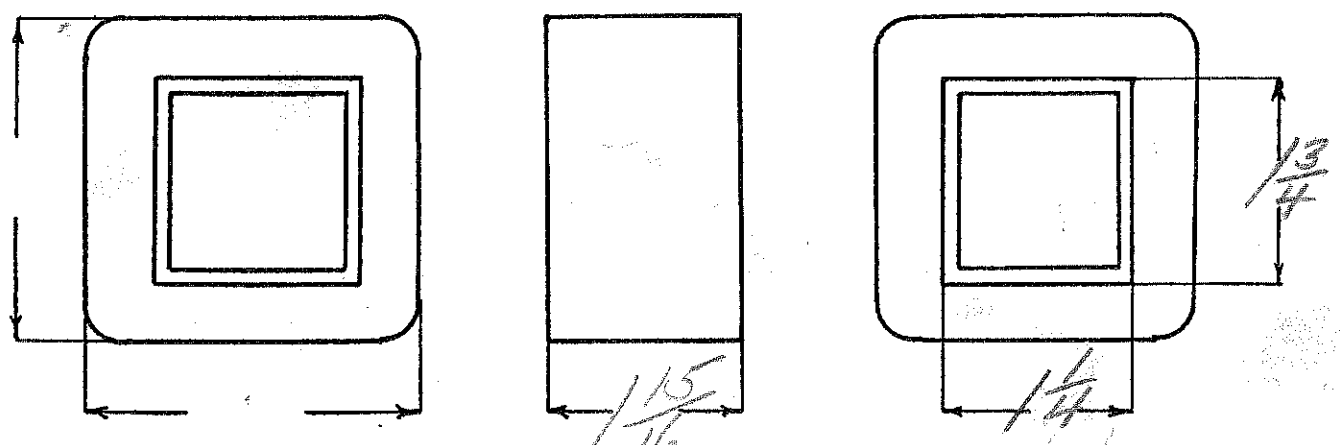
15H- 250 ma. Choke
10,000V test

4 SOUND PROOF

SPEC. NO. 4356

Winding	P						
Turns	2750						
Taps							
Wind. Lgth.	1/8 - !!						
Wire Size	#28						
T. P. L.	75-37						
Finish							
Type Lead	50 Bx						
Lead Lgth.							
Layer Insul.	30H						
Test Volt.	10000V						
Wrapper	3007V/C 21005BA						Double
TUBE	7007+3007V/C			IMPREGNATION		Varnish	
CORE	GA. 24		GRADE D		STACK 010' gms		
MOUNTING	C						

heavy armitite + mica base under panel



DESIGNED BY *SW*

DATE 11/24/30

swinging choke - 250 ma

7500V Ino

SPEC. NO. 4357

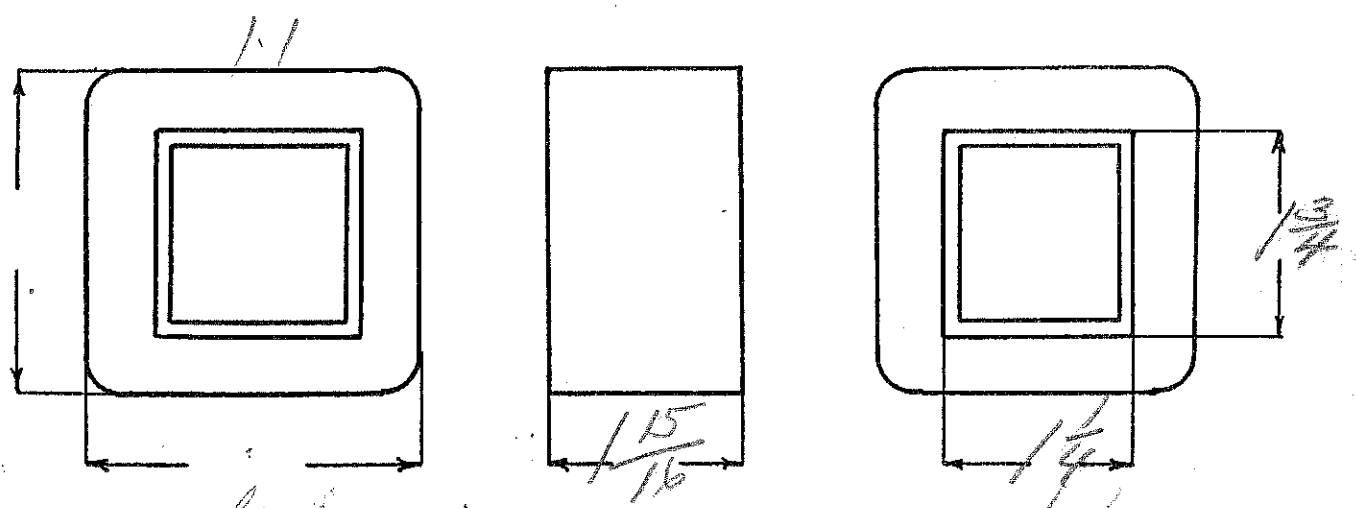
Winding	P					
Turns	2750					
Taps						
Wind. Lgth.	1/8					
Wire Size	#28					
T. P. L.	75-37					
Finish						
Type Lead	fil B ₁					
Lead Lgth.	3"					
Layer Insul.	30#					
Test Volt.	7500					
Wrapper	41007V ^c 310050PA					Rauko

TUBE 71007 + 31007V^c IMPREGNATION varnish

CORE GA. 24 GRADE D STACK 20x20

MOUNTING @

heavy mica + arnrite base under



DESIGNED BY Sw

DATE 11/24/38

5H - 400 ma - 60 ohm

SPEC. NO. 4358

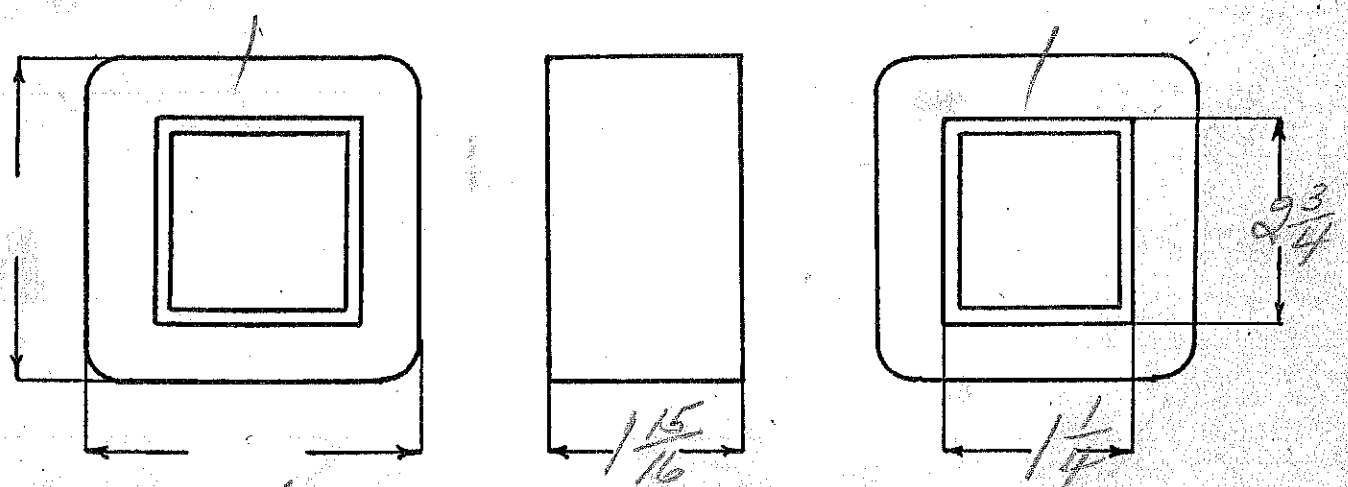
Winding						
Turns	2100					
Taps						
Wind. Lgth.	1 5/8 = 1.625"					
Wire Size	#25					
T. P. L.	78-27					
Finish						
Type Lead	#20 Dulco					
Lead Lgth.	9"					
Layer Insul.	50#					
Test Volt.	5000					
Wrapper	2L007VC 2L005EA					

TUBE 6L007 + 1L007VC IMPREGNATION VARNISH

CORE 1/4" x 2 3/4" E.I. GA. 24 GRADE B STACK 0.20" gap

MOUNTING A

$C_0 = 700 @ 400 \text{ ma}$
 Wire Net = 0.584" (0.578")



DESIGNED BY *gwr*

DATE 11/20/38

15 H-50 ma choke

KAAR

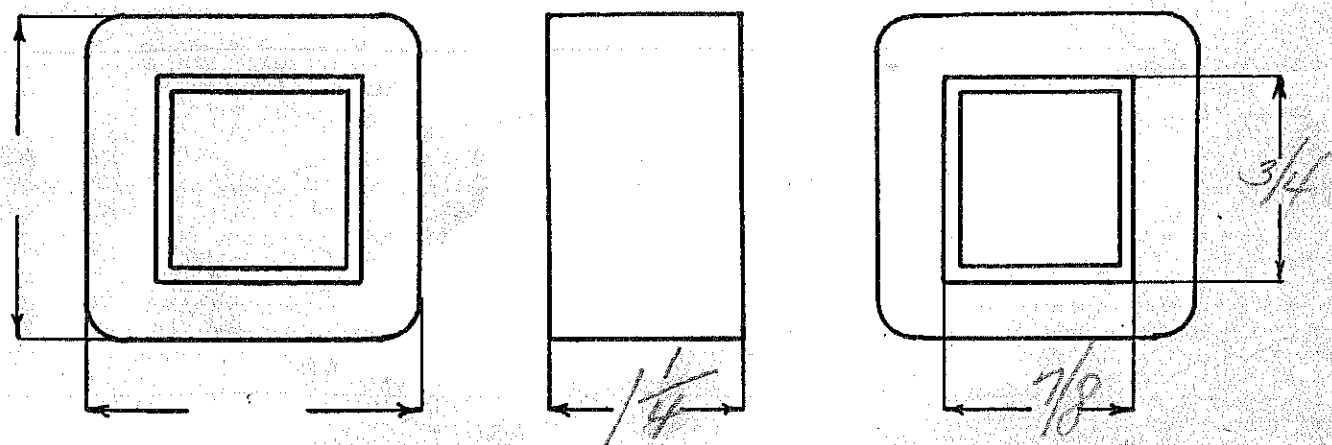
SPEC. NO. 4359

Winding	ϕ						
Turns	4800						
Taps	—						
Wind. Lgth.	$1\frac{1}{16}$						
Wire Size	#34						
T. P. L.	135-36						
Finish							
Type Lead	#20 P/B						
Lead Lgth.	9'						
Layer Insul.	20#						
Test Volt.	—						
Wrapper	2005GA						

TUBE	7007	IMPREGNATION	Varnish
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CORE	GA. 24	GRADE D	STACK, .005 gap
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MOUNTING A



DESIGNED BY *gw*

DATE 11/18/39

Pri 100 millihenry
 P.P 2A3-Clamp
 (400V p-p)
 6watts audio

P.P 2A3 - 3.4:1
 PP 205 Class B Tube
 G-G - 235 Volts
 as to resistance, inductance, & displacement
 operation at 90 Kc

DEPT. OF WAR
 AND POWER
 SPEC. NO. 4360

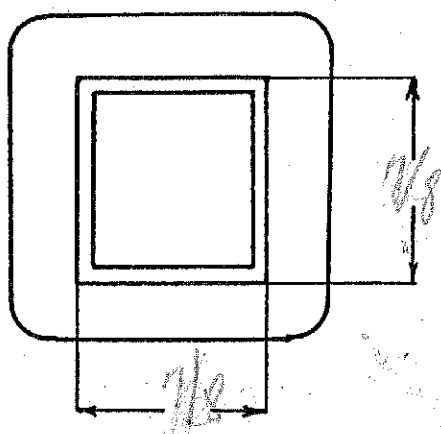
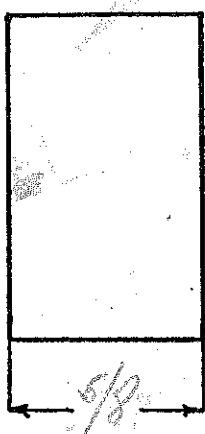
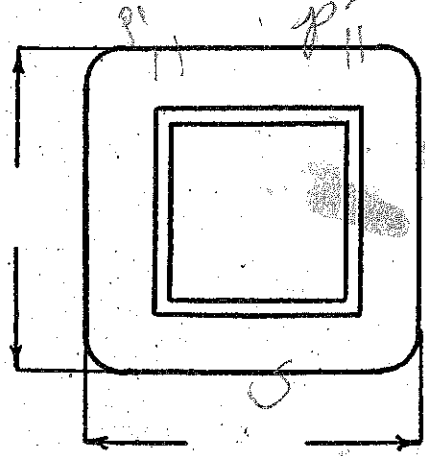
Winding	P ¹	S	P ²			
Turns	70	118	130			
Taps						
Wind. Lgth.	3/8	3/8	3/8			
Wire Size	#28	#28	#28			
T. P. L.	25-3	25-5	25-6 (5)			
Finish						
Type Lead	Wire only					
Lead Lgth.	6"	✓	✓			
Layer Insul.	.005 SA					
Test Volt.						
Wrapper	21005GA	31005GA	31005GA			

TUBE 71007 + 21005GA IMPREGNATION VARNISH

CORE GA. 29 GRADE A-dimitted STACK 1X1

MOUNTING K-lugs - Black

049
 048
 047
 046
 045
 044
 043
 042
 041
 040
 039
 038
 037

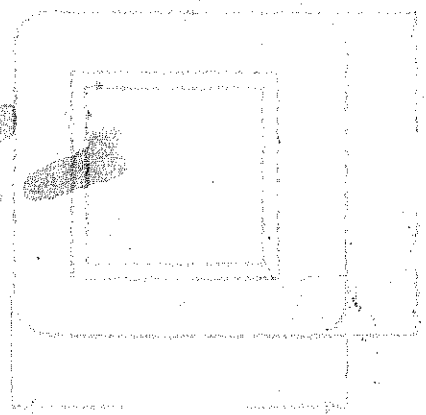
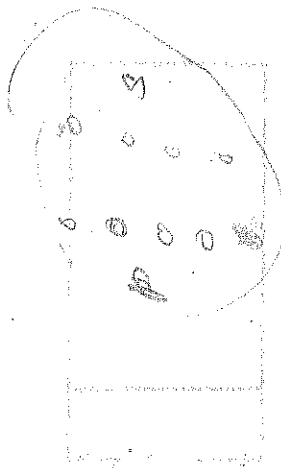
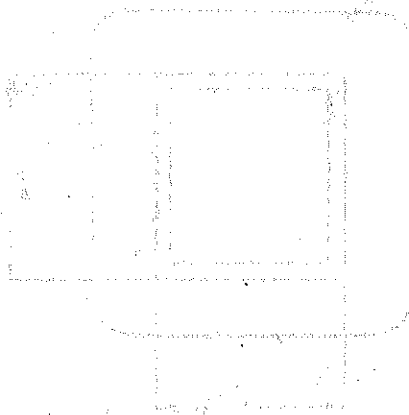
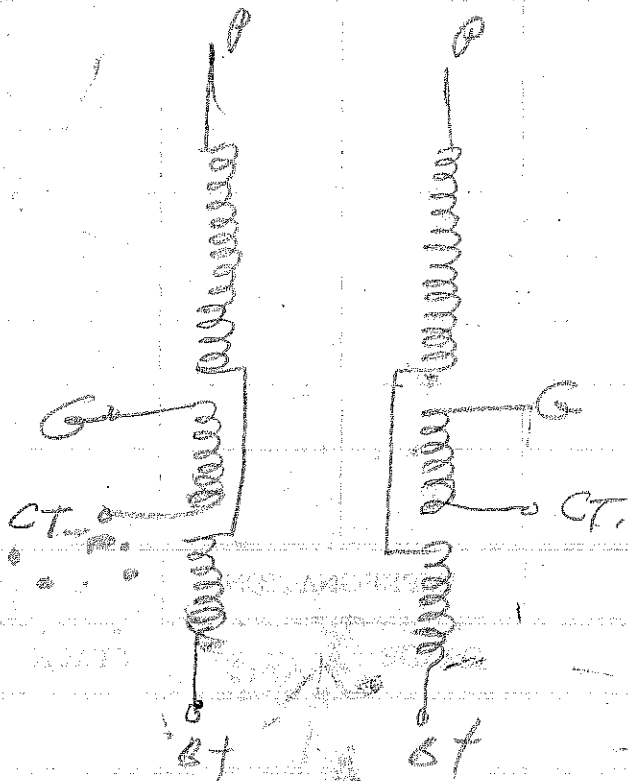


DESIGNED BY Jw

DATE 11/15/38

$L_p - .461 \times 10^8 \times .85 \times 400 \times 400 \times 200$

$.461 \times .85 \times 16 \times 2 = .125 H$



3.5 ohm to 1000 ohm

AMERICAN ELECTRIC COMPANY

(2) COILS

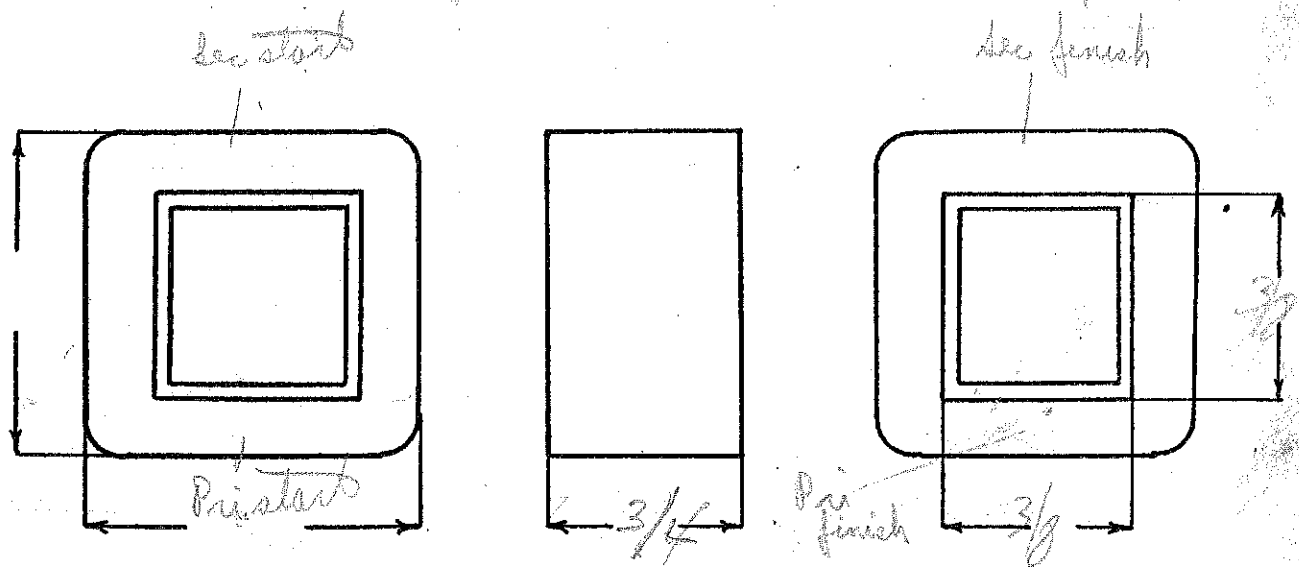
SPEC. NO. 4361

Winding	SEC	PRI				
Turns	2000	38				
Taps						
Wind. Lgth.	5/8				Sec Starts - 1/4" Red	
Wire Size	#39	#27			Sec Finish - 3" Silver	
T. P. L.	143-14	38-1			Pri Starts - 6" Silver	
Finish					Pri Finish - 1/4" Black	
Type Lead	#22 Lead	✓				
Lead Lgth.	9"	9"				
Layer Insul.	12"					
Test Volt.						
Wrapper	1100516	1100560				

TUBE 52007 IMPREGNATION Varnish

CORE 1/2-3/4 GA. 29 GRADE STACK 1X1

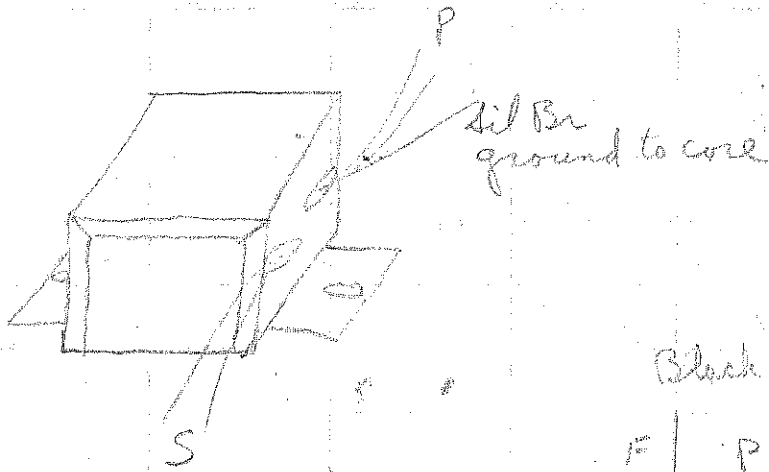
MOUNTING special (over)



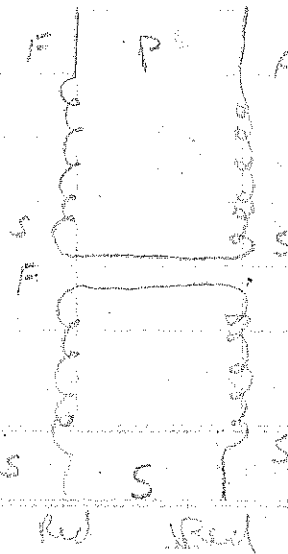
DESIGNED BY

DATE

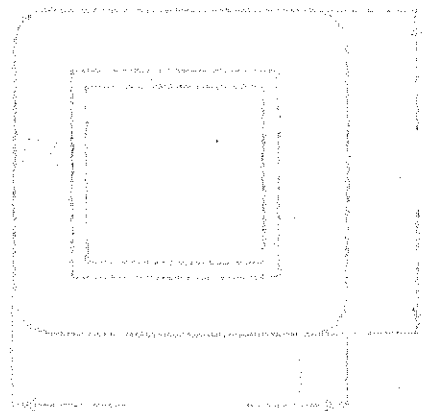
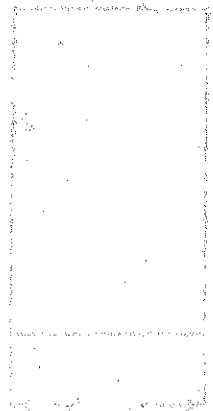
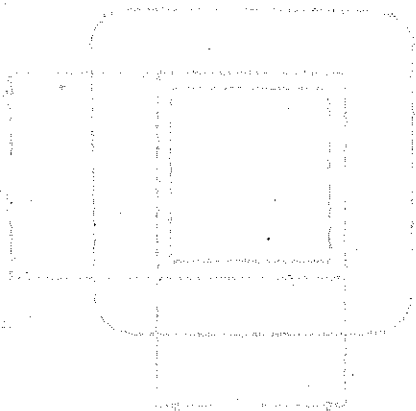
20 gage sheet metal case



Black Black



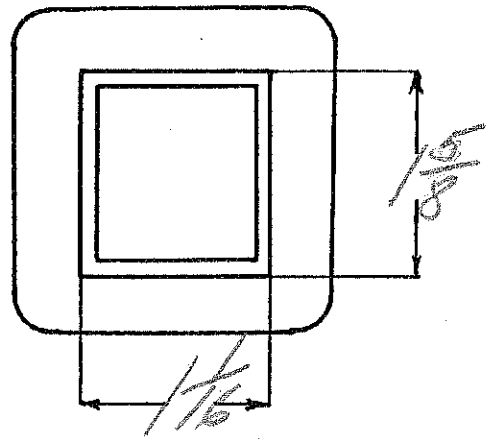
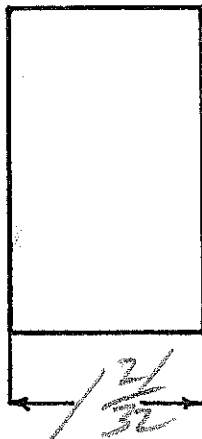
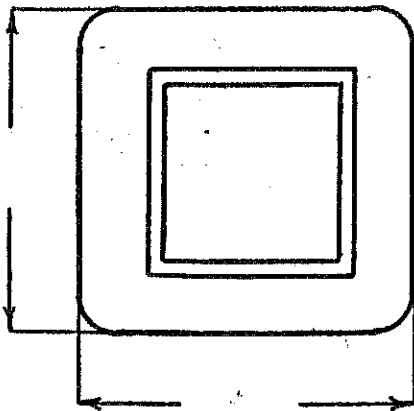
2 .0255



Input Choke - 250ma

SPEC. NO. 4362

Winding	P					
Turns	2500					
Taps	—					
Wind. Lgth.	1 7/16					
Wire Size	#27					
T. P. L.	85-30					
Finish						
Type Lead	#20 PBr					
Lead Lgth.	9"					
Layer Insul.	40#					
Test Volt.	2500					
Wrapper	14005VC 24005SA					Double
TUBE	7007		IMPREGNATION		VARNISH	Hand
CORE	GA. 24		GRADE D		STACK 20x30	
MOUNTING	SA - Cadmium shells, black laminator long bolts					



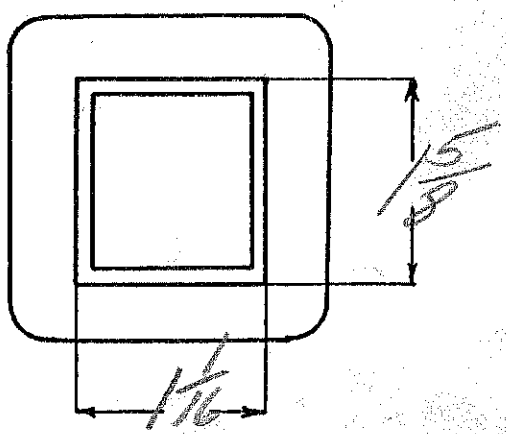
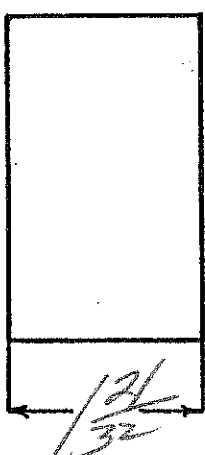
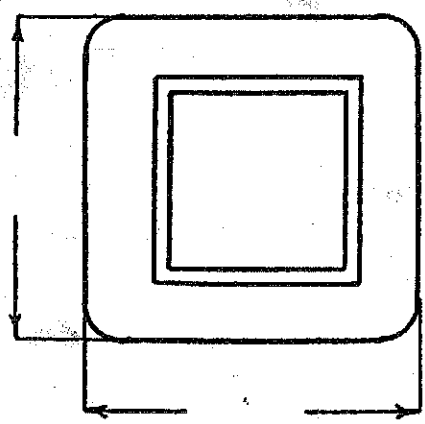
DESIGNED BY *gwc*

DATE 11/18/35

Smoothing Choke 250ma

SPEC. NO. 4363

Winding	ϕ					
Turns	2500					
Taps	—					
Wind. Lgth.	1 $\frac{7}{16}$					
Wire Size	#27					
T. P. L.	85-30					
Finish						
Type Lead	#10 PA					
Lead Lgth.						
Layer Insul.	40 #					
Test Volt.	2500					
Wrapper	14005VR 21005EA					
TUBE	71007		IMPREGNATION	Double Varnish (Perm 222 time)		
CORE		GA. 24	GRADE Δ	STACK .010" gap		
MOUNTING	SA-Cad N Shells - Slide laminations long bolts					



DESIGNED BY *GW*

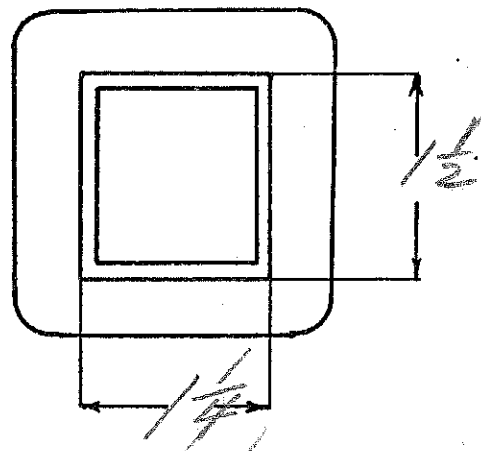
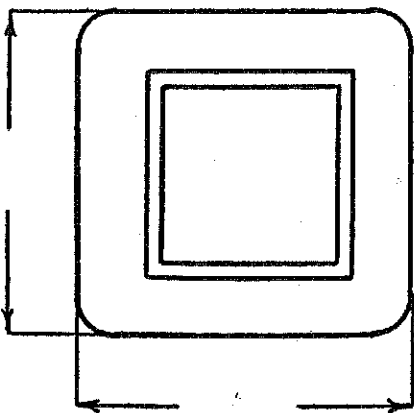
DATE 11/19/38

15H-250ma - 5000V Ins.

SOUND BY PRODUCTS, CO.

SPEC. NO. 4364

Winding	ϕ						
Turns	3600						
Taps	—						
Wind. Lgth.	1 15/32						
Wire Size	#28						
T. P. L.	98-37						
Finish							
Type Lead	SILB						
Lead Lgth.	3"						
Layer Insul.	30#						
Test Volt.	5000V						
Wrapper	31007VC 21005GA						Double
TUBE	71007+21007VC			IMPREGNATION		Vermish	
CORE	GA.	24	GRADE	ϕ	STACK	.001" gap	
MOUNTING	C						



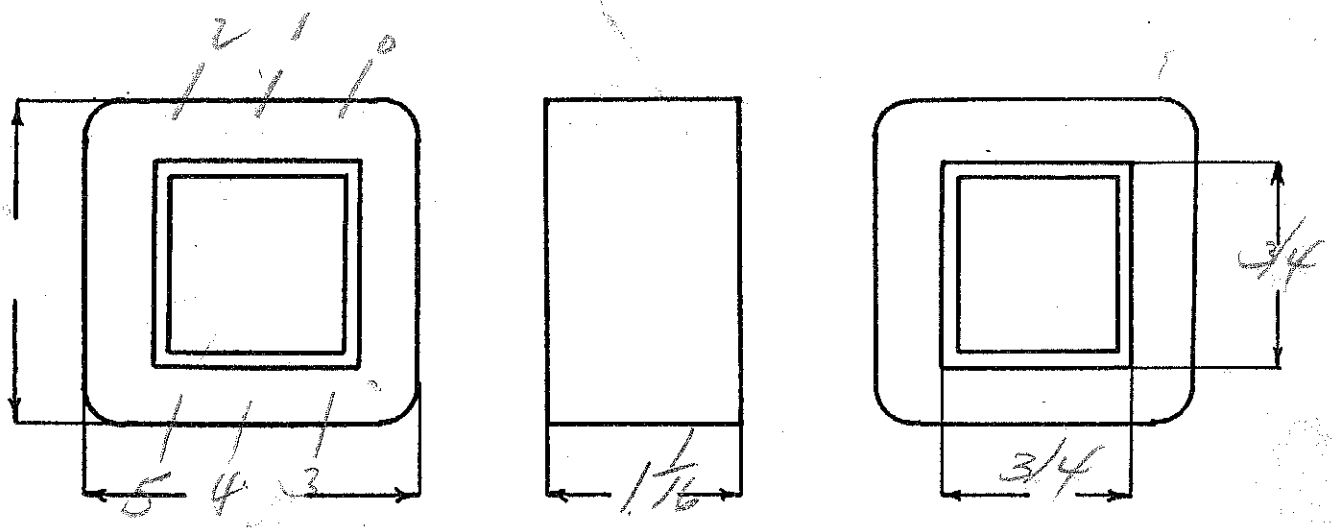
DESIGNED BY *Sw*

DATE 11/14/38

Special Order - 6 amp for reducing speed to fan

SPEC. NO. 4365

Winding							
Turns	480						
Taps	287 - 368 - 410 - 450						
Wind. Lgth.	7/8						
Wire Size	#25						
T. P. L.	41 -						
Finish	W.O.						
Type Lead							
Lead Lgth.	31"						
Layer Insul.	40 th						
Test Volt.							
Wrapper	26056A						
TUBE	52007	IMPREGNATION			✓		
CORE	GA. 24	GRADE 2			STACK 2 1/2		
MOUNTING	0						



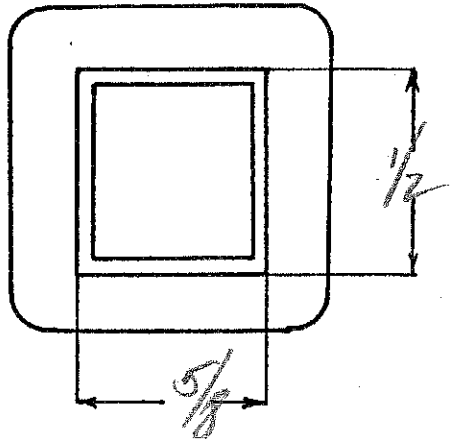
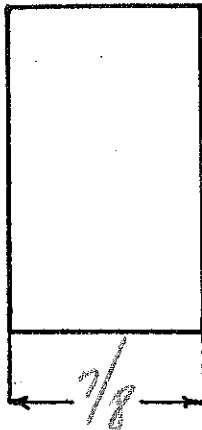
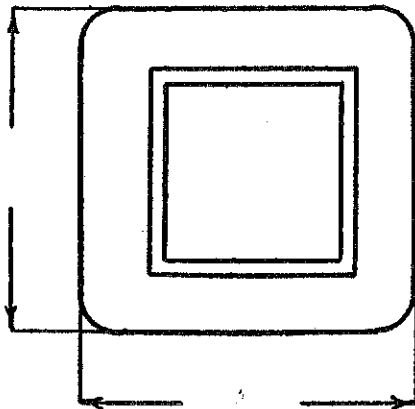
DESIGNED BY *SW*

DATE 11/24/38

(8)

SPEC. NO. 4366

Winding							
Turns	260						
Taps							
Wind. Lgth.	3/4						
Wire Size	#25						
T. P. L.	34-8						
Finish							
Type Lead	W.O.						
Lead Lgth.	3" loop						
Layer Insul.	40#						
Test Volt.							
Wrapper	210056A						
TUBE	46009			IMPREGNATION	Varnish laminated		
CORE		GA.	24	GRADE		STACK	Evonly
MOUNTING	m						



DESIGNED BY Smeara

DATE 11/22/38

500ohm coil

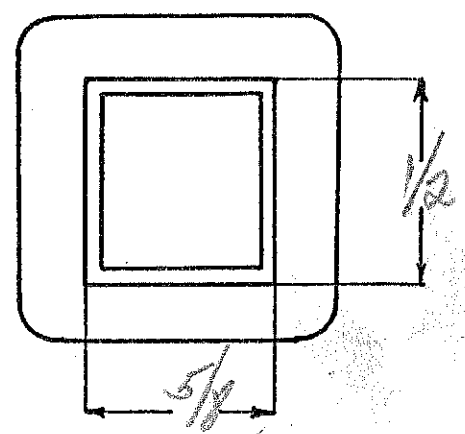
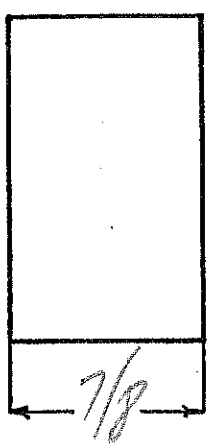
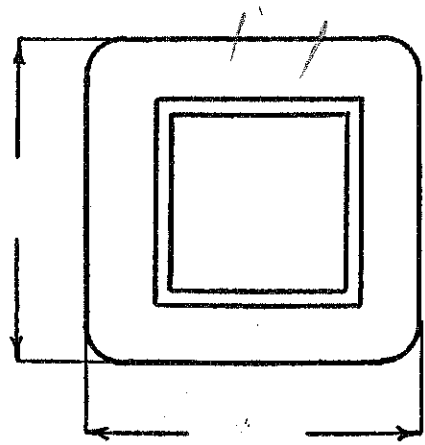
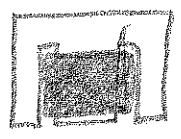
SPEC. NO. 4367

Winding	P					
Turns	3000					
Taps	—					
Wind. Lgth.	3/4					
Wire Size	#38					
T. P. L.	154-20					
Finish	Sil/Bn					
Type Lead						
Lead Lgth.	3'					
Layer Insul.	20 #					
Test Volt.						
Wrapper	2100SEA					

TUBE 4007 IMPREGNATION Varnish

CORE GA. 24 GRADE D STACKE only

MOUNTING M



DESIGNED BY *gaw*

DATE 11/27/38

2-125 Ω windings to 2-HK254 class

ratio PP2A3 to 500 Ω = 3

ratio 500 Ω to $\frac{1}{2}$ sec = 1:2.3

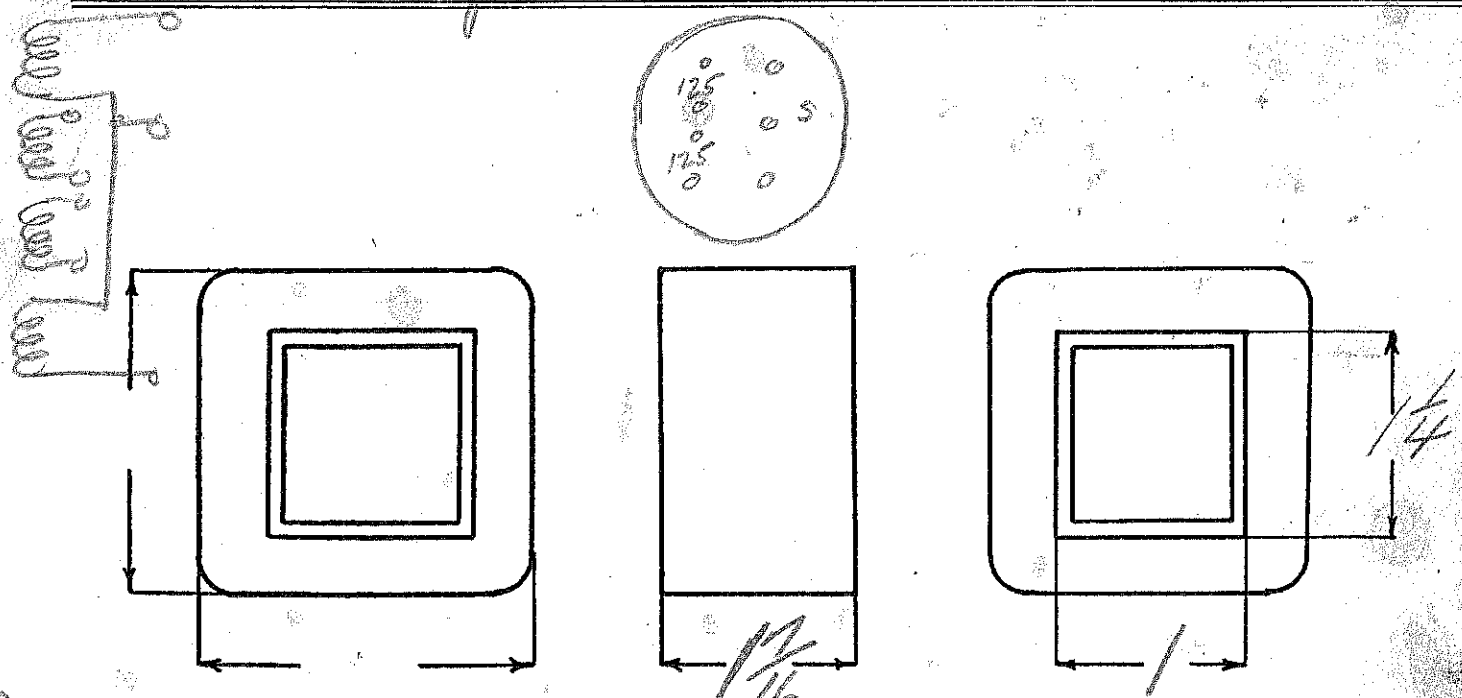
ratio PP2A3 to HK254 = P:5 = 1:1.45

SPEC. NO. 4368

Winding	S	P	P	S		
Turns	1500	330	330	1500		
Taps						
Wind. Lgth.	1.25	✓	✓	✓		
Wire Size	#32	#28	#28	#32		
T. P. L.	128-12	83-4	83-4	128-12		
Finish						
Type Lead	#20 Par Par					
Lead Lgth.	6"	6"	6"	6"		
Layer Insul.	30#	30#	30#	30#		
Test Volt.						
Wrapper	11005V0 3L 20	11005V0 3L 20	11005V0 3L 20	21005GA		
TUBE	6L007			IMPREGNATION	VARNISH	

CORE GA. 29 GRADE B STACK 212

MOUNTING K - legs

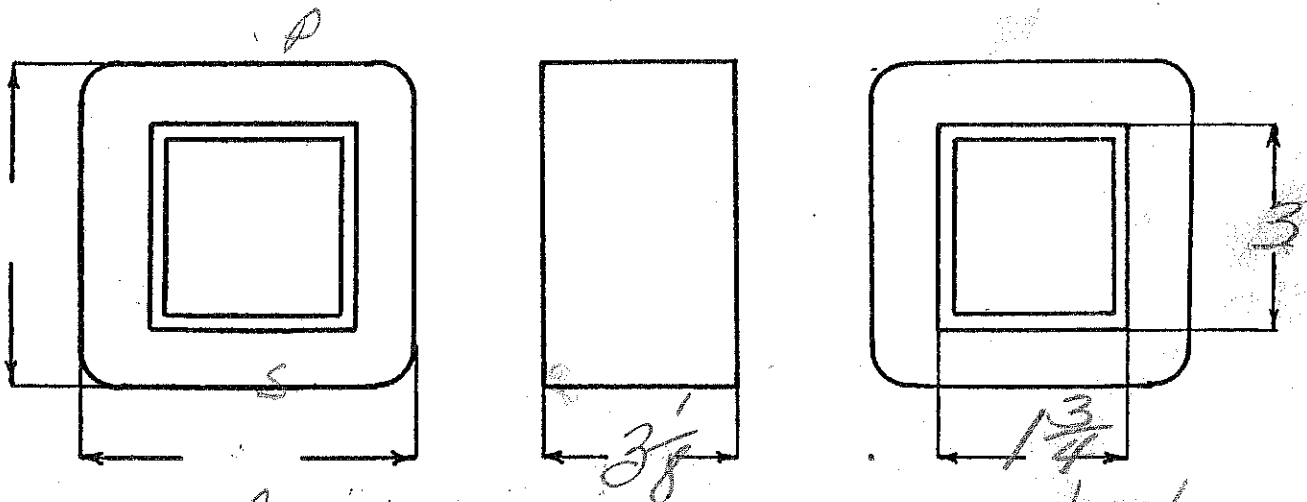


DESIGNED BY *Sw*

DATE

PP HK 254 Class B (10,000 r) to 4000-4500-5000 r
 Sec - 333 ma Center
 250 Watts audio
 SPEC. NO. 4369

Winding	P	S				
Turns	2100	1500				
Taps	1050	1420	1325			
Wind. Lgth.	2 1/4	2 1/4				
Wire Size	#26	#24				
T. P. L.	118-18	95-16				
Finish						
Type Lead	WIRE ONLY					
Lead Lgth.	6" ✓	✓				
Layer Insul.	double 30#	double 30#				
Test Volt.						
Wrapper	300 PVC 52 1/2"	200 PVC 31 1/2"				
TUBE	92007 + 100 PVC		IMPREGNATION	Varnish - Lemmon		
CORE	GA. 24	GRADE D	STACK	0.20" gap		
MOUNTING	Special G					



DESIGNED BY *gw*

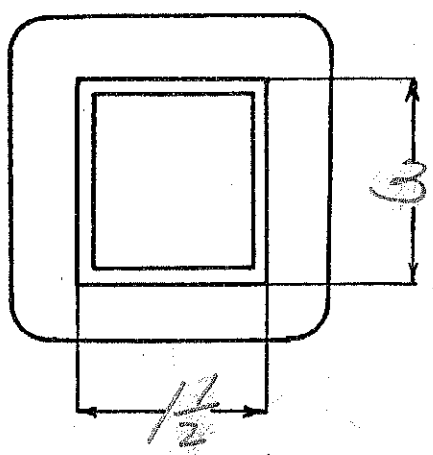
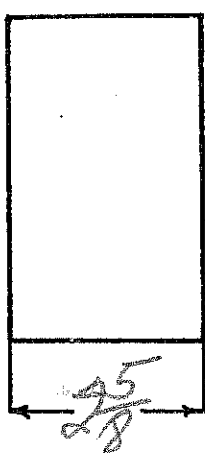
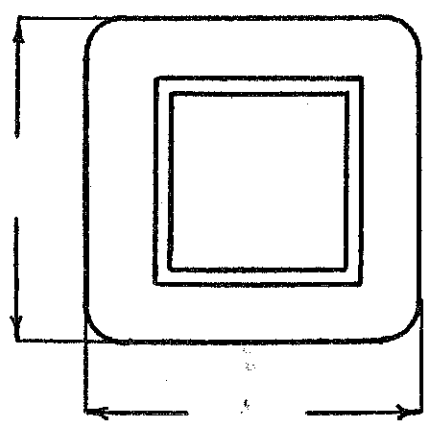
DATE 11/28/38

Input choke - 500ma

R = 48 Ω

PIERSON - DELAWARE
SPEC. NO. 4370

Winding	P					
Turns	2260					
Taps	—					
Wind. Lgth.	2 1/2					
Wire Size	#23					
T. P. L.	81-28					
Finish						
Type Lead	W.O.					
Lead Lgth.	6'					
Layer Insul.	double 30#					
Test Volt.	5000					
Wrapper	21007VE 31005GA					Double
TUBE	91007+21007VE		IMPREGNATION			Varnish
CORE	GA. 24		GRADE			STACK 20x30
MOUNTING	Special G					



DESIGNED BY *sw*

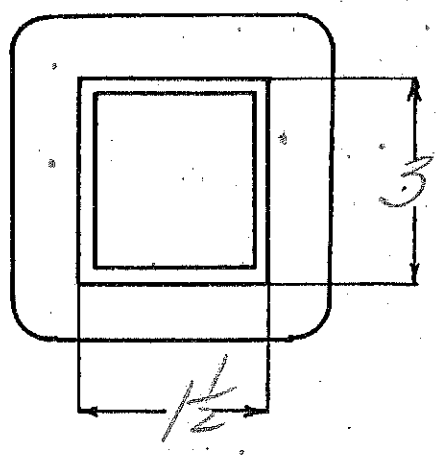
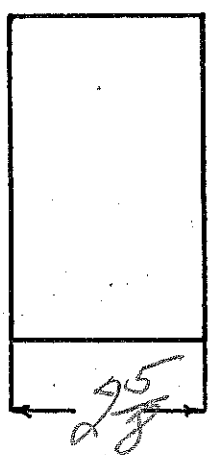
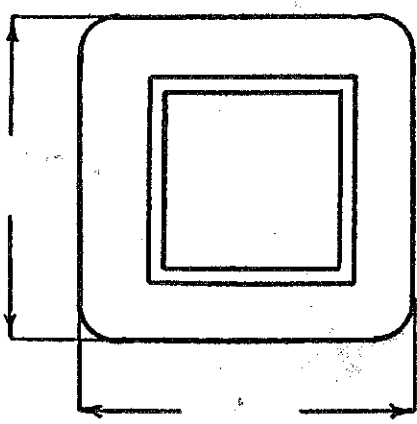
DATE 11/28/38

smoothing choke - 500ma

R = 48

SPEC. NO. 4371

Winding	P						
Turns	2260						
Taps	-						
Wind. Lgth.	2 1/2						
Wire Size	#23						
T. P. L.	81-28						
Finish							
Type Lead	W.O.						
Lead Lgth.	6'						
Layer Insul.	double 30#						
Test Volt.	5000						
Wrapper	21007UC 3100560						
TUBE	9607+21007UC			IMPREGNATION	Double varnish		
CORE	GA. 24	GRADE	D	STACK	0.20" gap		
MOUNTING	Special G						



DESIGNED BY

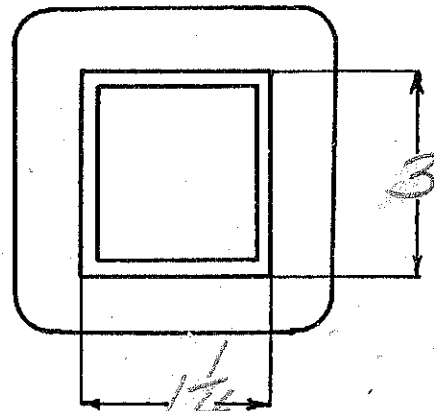
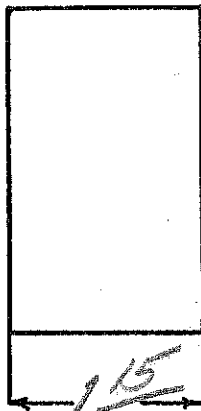
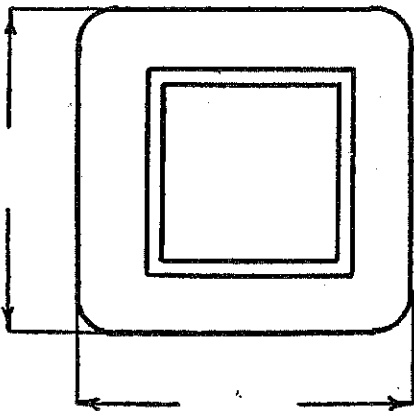
DATE

Input Choke - 300ma

R = 75Ω

SPEC. NO. 4372

Winding	P						
Turns	2000						
Taps							
Wind. Lgth.	1 3/8						
Wire Size	# 26						
T. P. L.	72-28						
Finish							
Type Lead	W.O.						
Lead Lgth.	6"						
Layer Insul.	50#						
Test Volt.	5000						
Wrapper	21007UC 2C007CA						
TUBE	91007+21007UC		IMPREGNATION				Double varnish
CORE		GA. 24	GRADE 0			STACK	20x20
MOUNTING	Special G						



DESIGNED BY

Gov

DATE

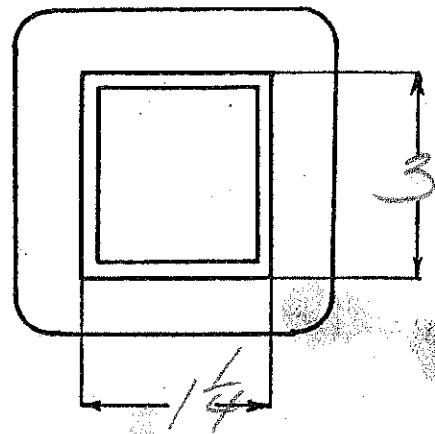
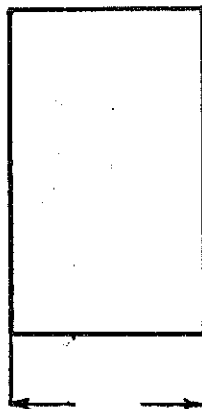
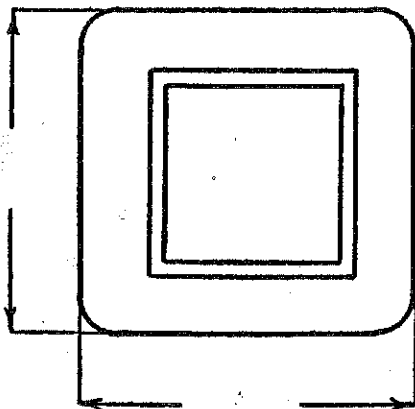
11/28/38

Smoothing choker - 350ma

R = 75 Ω

SPEC. NO. 4373

Winding	P						
Turns	2000						
Taps							
Wind. Lgth.	$1\frac{3}{8}$						
Wire Size	#26						
T. P. L.	72-28						
Finish							
Type Lead	W.O.						
Lead Lgth.	6"						
Layer Insul.	50#						
Test Volt.	5000						
Wrapper	26007VC 26007GA						Double varnish
TUBE	9L007 + 26007VC			IMPREGNATION	varnish		
CORE	GA. 24	GRADE	D	STACK	0.20" gap		
MOUNTING	Special G						



DESIGNED BY

DATE

P-120
S-420VCT

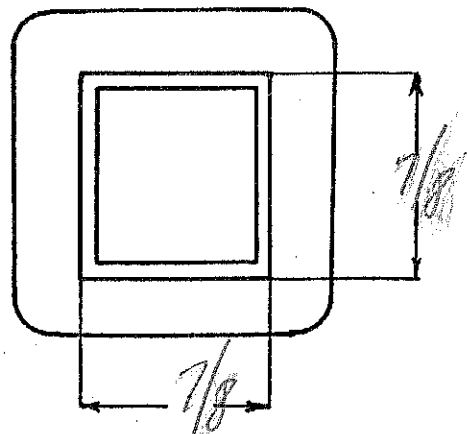
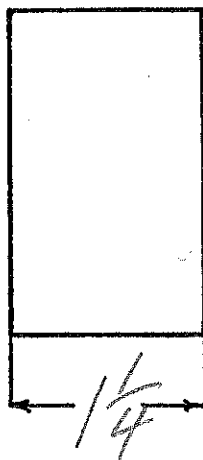
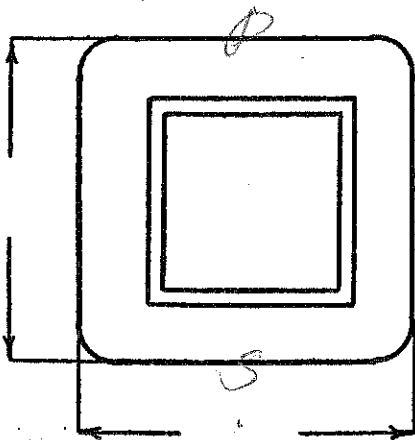
SPEC. NO. 4374

Winding							
Turns	2000	7000					
Taps		3500					
Wind. Lgth.	1/16	3/4					
Wire Size	#38	#38					
T. P. L.	223-9	153-46					
Finish							
Type Lead	Sil	Bn					
Lead Lgth.	3"	3"					
Layer Insul.	16#	16#					
Test Volt.	-	3500					
Wrapper	21007VC	21007VC 21005SA					

TUBE 52007 IMPREGNATION VARNISH

CORE GA. 24 GRADE D STACK 2x2

MOUNTING D



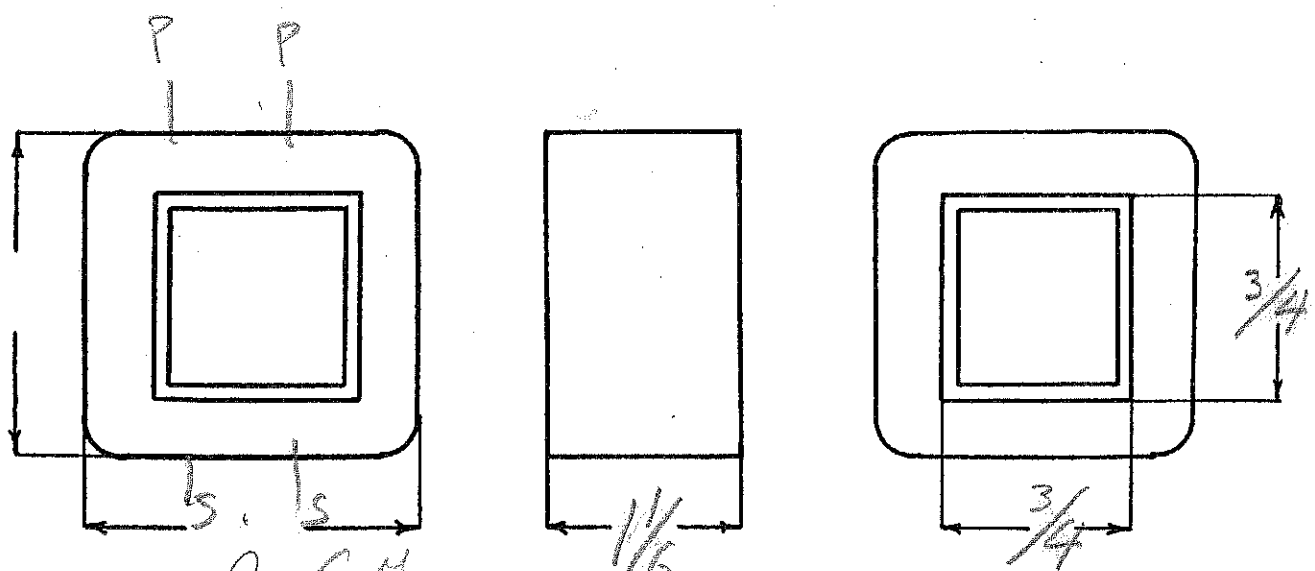
DESIGNED BY

DATE

Ep-115
Es-80V-20ma

SPEC. NO. 4375

Winding	PR1	SHIELD	SEC				
Turns	1270	127	1060				
Taps							
Wind. Lgth.	7/8"						
Wire Size	#34	#34	#38				
T. P. L.	127-10		177-6				
Finish							
Type Lead	Sil Br		Sil Br				
Lead Lgth.	3"		3"				
Layer Insul.	double #16		double #16				
Test Volt.							
Wrapper	1L005VC	1L005VC	2L005GA.				
TUBE	6L 007 GK			IMPREGNATION	Varnish		
CORE	3/4 X 3/4	GA.	24	GRADE	D		
MOUNTING	D						



DESIGNED BY *J. C. [Signature]*

DATE 11/25/38

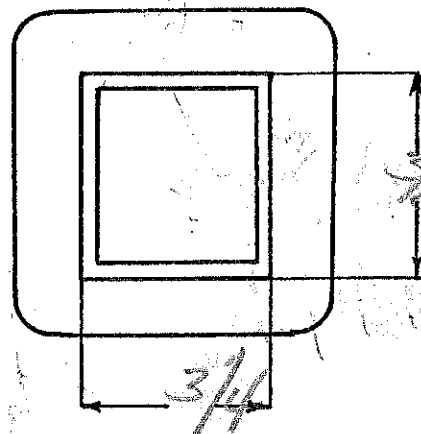
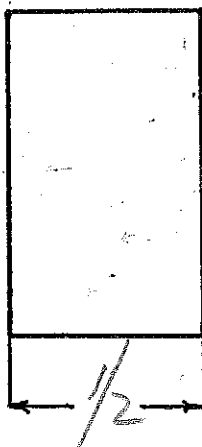
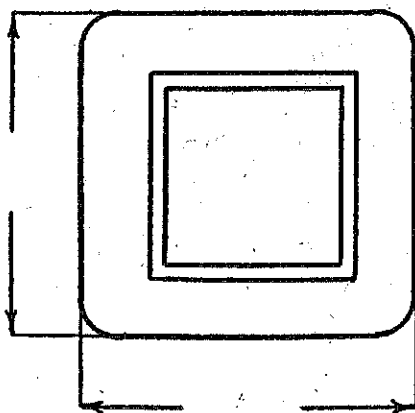
Plate 6 J5 (no dc) to 500 ohm cr. - zero to +10 db level

25 to 15000 cycle

SPEC. NO. 4376

Winding	PRI	SEC					
Turns	1650	380					
Taps	-						
Wind. Lgth.	3/8	3/8					
Wire Size	#38	#31					
T. P. L.	76-22	35-11					
Finish							
Type Lead	#20 Pm						
Lead Lgth.	9"	9"					
Layer Insul.	12#	30#					
Test Volt.							
Wrapper	1005VC	2005BA					
TUBE	4-1007		IMPREGNATION		Varnish		
CORE	GA. 24		GRADE Mumetal		STACK 1X1		
MOUNTING	K- leads						

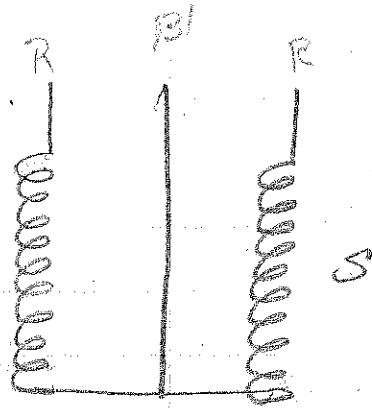
over-reverse assembly



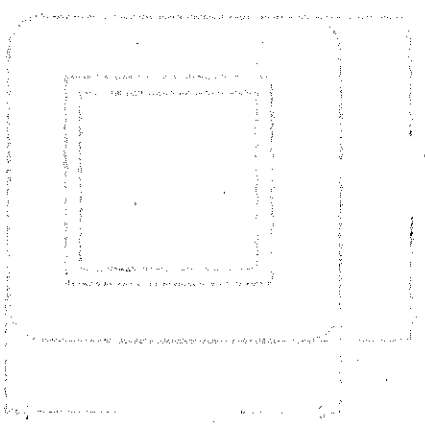
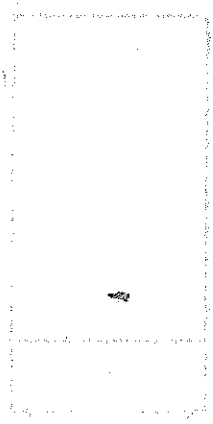
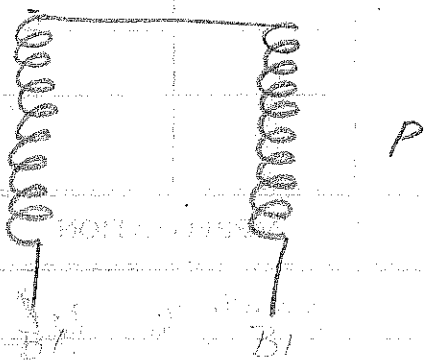
DESIGNED BY

DATE

starts
CT



PHI
Finish



500 ohm C.T. to grid - ~~25 to 15000 cycle~~ ~~20 coils~~

25 to 15000 cycle

20 coils

SPEC. NO. 4377

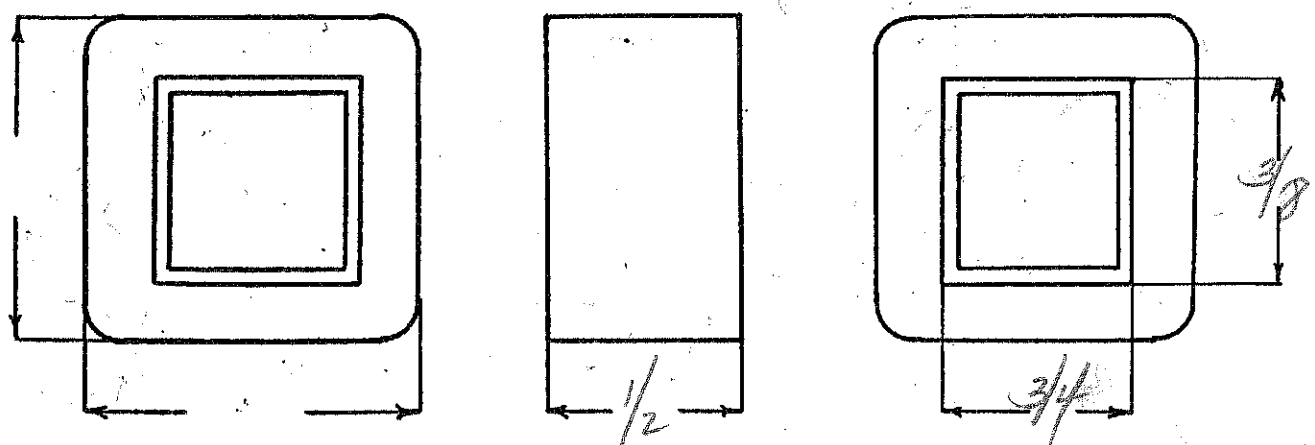
Winding	SEC	PRI				
Turns	5000	390				
Taps	—	—				
Wind. Lgth.	3/8					
Wire Size	#41	#32				
T. P. L.	110-46	39-10				
Finish						
Type Lead	#26	Pan In				
Lead Lgth.	9"	9"				
Layer Insul.	10#	30#				
Test Volt.						
Wrapper	ML-12#	210056-A				

TUBE 46007 IMPREGNATION Vacuum

CORE GA. 29 GRADE Mu-metal STACK 1X1

MOUNTING K-leads

over - Reverse assembly

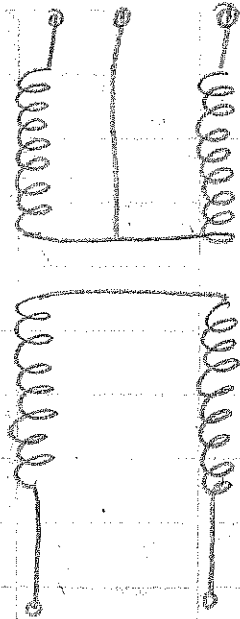


DESIGNED BY Geo

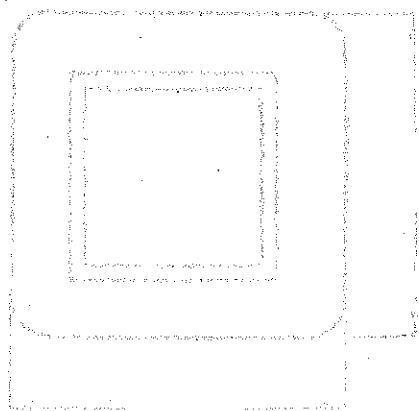
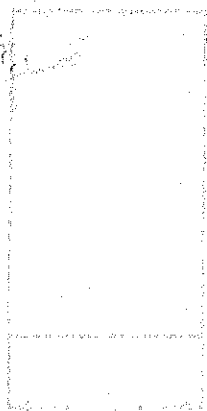
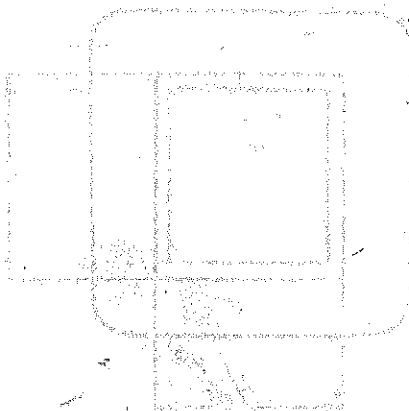
DATE 12/1/38

P

through
Blk. at white



to finish



P.P.P. 805-class
6700 ohm Pip

Ind. series winding 400 mA
400 mA - 1500V p-p

75 mh - 50 ohms each capacitor of 250 pF
61.2 mh - 75 ohms
15 mh - 100 ohms
90,000 ohms

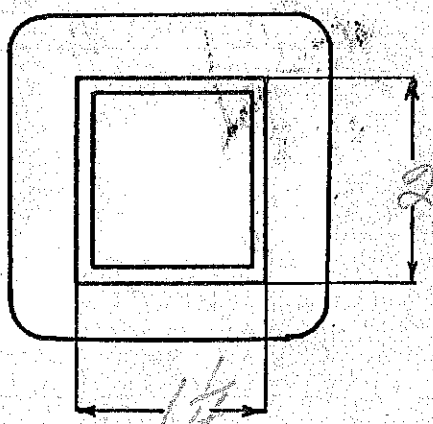
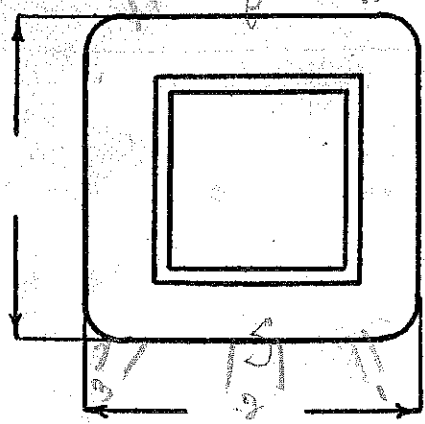
SPEC. NO. 4378

Winding	wind two coils				
Turns	83	21	25	30	166
Taps					
Wind. Lgth.	1/16				
Wire Size	#24	#18	#18	#18	#24
T. P. L.					
Finish					
Type Lead	wire only				
Lead Lgth.	6"	✓	✓	✓	✓
Layer Insul.	005GA	✓	✓	✓	✓
Test Volt.	5000				
Wrapper	4005VP 4005GA	4005GA	4005GA	4005GA	4005VP 4005GA

TUBE 9L007 + 2L007VC IMPREGNATION VARN 1518

CORE GA. 29 GRADE A - annealed STACK 1X1

MOUNTING K - Stand-off insulators - Black



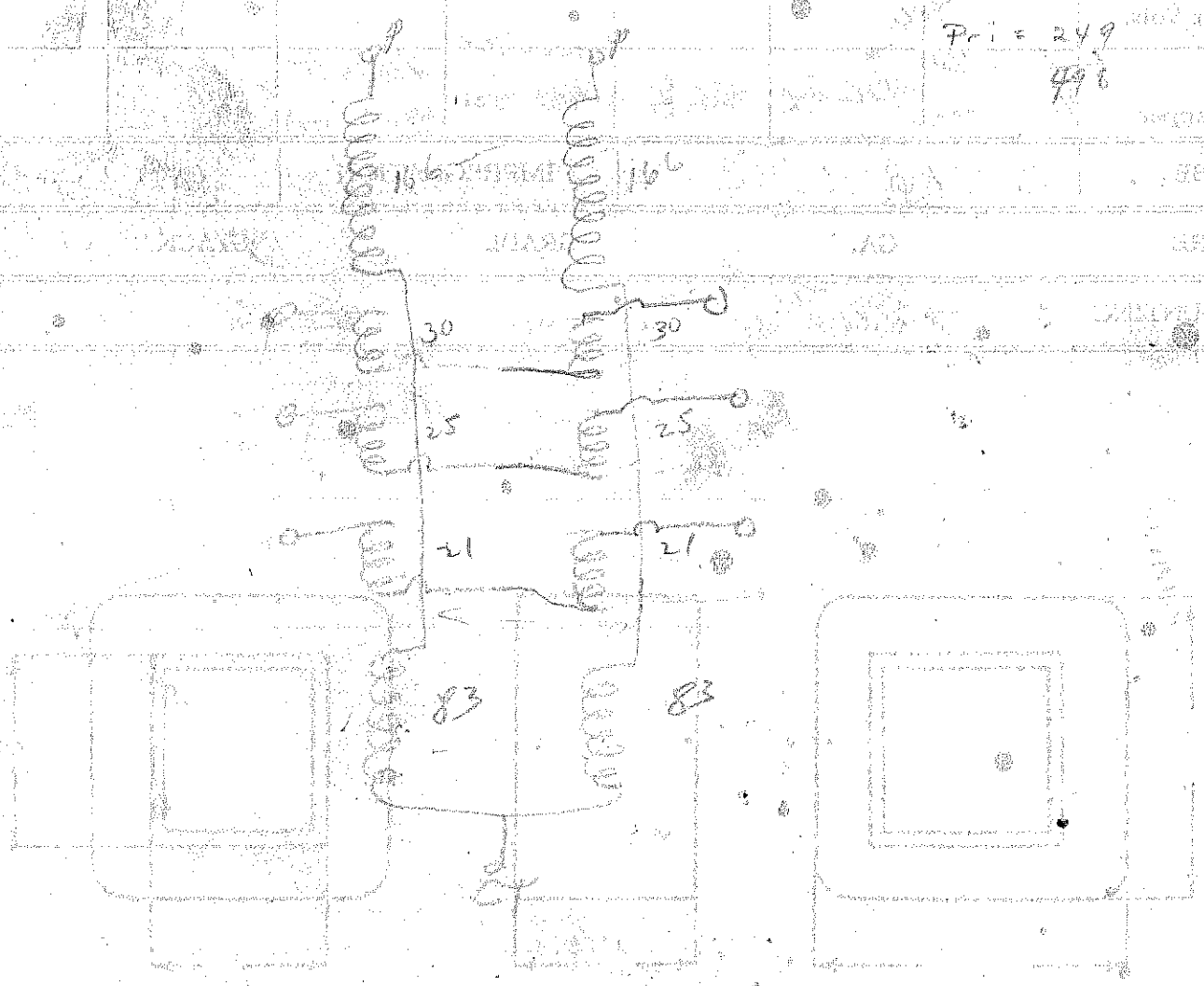
DESIGNED BY SW

DATE 12/28/58

$\epsilon_p = 350 \text{ mH}$
 overall $\epsilon_{eff} = 0.27$

Ω	L	KN	
6700	100 mH	82	480 - 500
100	1.5 mH	10	49 - 60
75	1.2 mH	835	41 - 50
50	75 mH	7.05	35 - 42

$P_{ri} = 249$
 996



Sec. Rewind

GILFILLAN & SONS

SPEC. NO. 4379

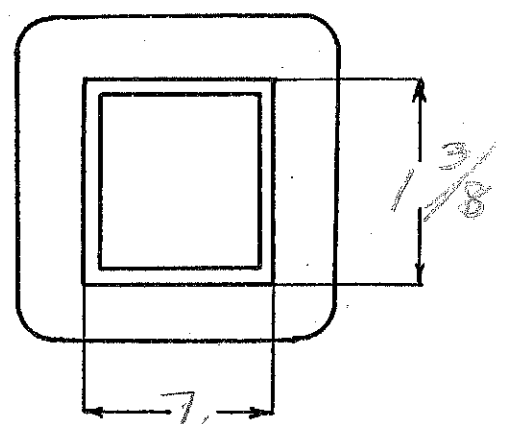
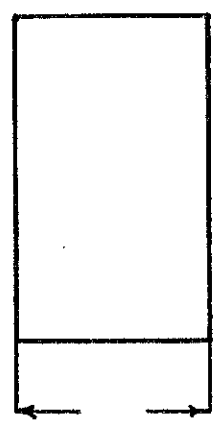
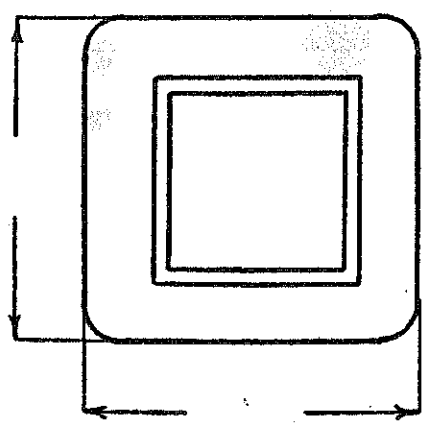
Winding	<i>Pri</i>	<i>Sec</i>				
Turns		<i>5660</i>				
Taps		<i>—</i>				
Wind. Lgth.		<i>2 7/16</i>				
Wire Size		<i>#33</i>				
T. P. L.		<i>285-20</i>				
Finish						
Type Lead		<i>fil. Br.</i>				
Lead Lgth.		<i>4"</i>				
Layer Insul.		<i>Double #16</i>				
Test Volt.						
Wrapper		<i>11007VC 210056A</i>				

Already rewound

TUBE		IMPREGNATION	
------	--	--------------	--

CORE	GA.	GRADE	STACK
------	-----	-------	-------

MOUNTING



DESIGNED BY *JCS*

DATE *7/8*
12.6.38

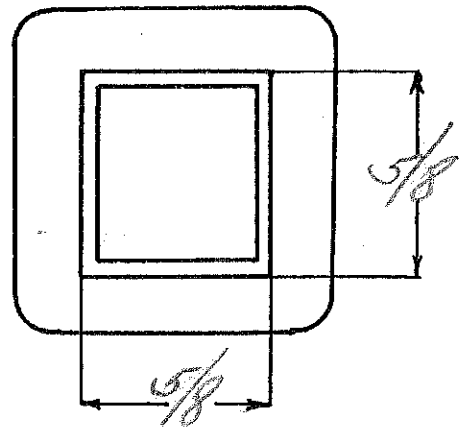
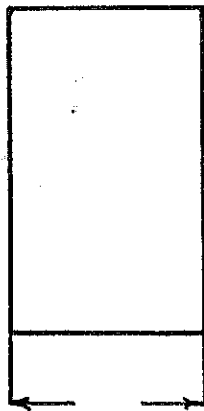
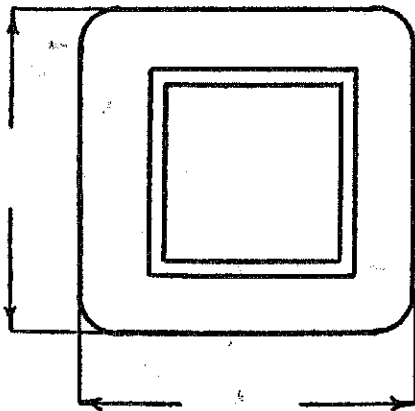
April 8th - 60ma

REMLER COMPANY

250 ohm res.

SPEC. NO. 4380

Winding	Pri						
Turns	2730						
Taps	-						
Wind. Lgth.	3/4						
Wire Size	#35						
T. P. L.	105-26						
Finish							
Type Lead	Sl Br						
Lead Lgth.	3"						
Layer Insul.	Double 16#						
Test Volt.							
Wrapper	210056A						
TUBE	51007 GK			IMPREGNATION	Varnish		
CORE	3/8 x 3/8	GA.	24	GRADE	D	STACK	
MOUNTING	D						



DESIGNED BY

GW

DATE

12-8-38

P-50 chm

S - 200,000 CT

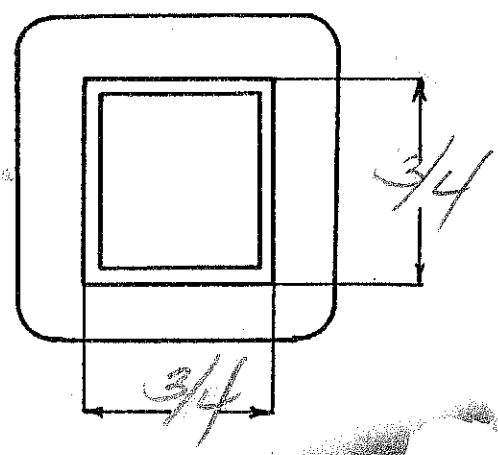
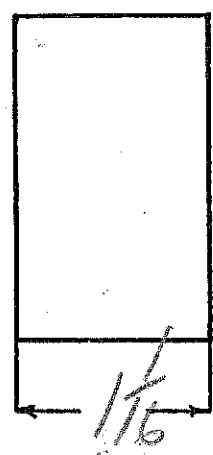
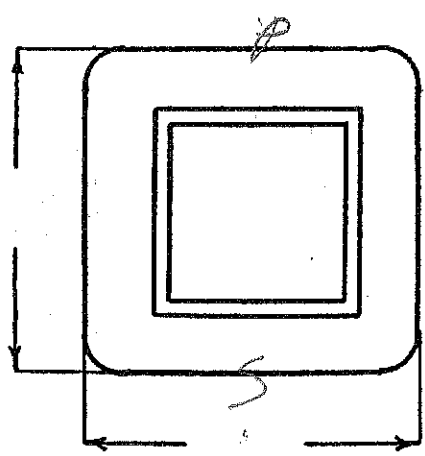
SPEC. NO. 4381

Winding	S	P				
Turns	10,000	160				
Taps						
Wind. Lgth.	7/8					
Wire Size	#40	#28				
T. P. L.	248	58-3				
Finish						
Type Lead	SEP M					
Lead Lgth.	3"	3"				
Layer Insul.	12#	30#				
Test Volt.						
Wrapper	16005VC 46 PL	21005GA				

TUBE	76007	IMPREGNATION	varnish
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CORE	GA. 29	GRADE B	STACK 2x2
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MOUNTING D



DESIGNED BY [Signature]

DATE

500 Ω to PPT 2400

P: $\frac{1}{2}$ S - 1:15

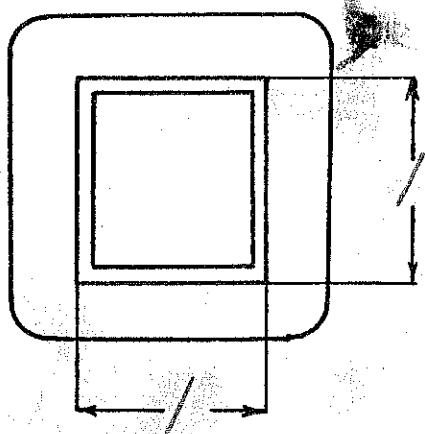
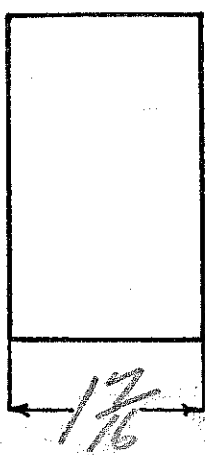
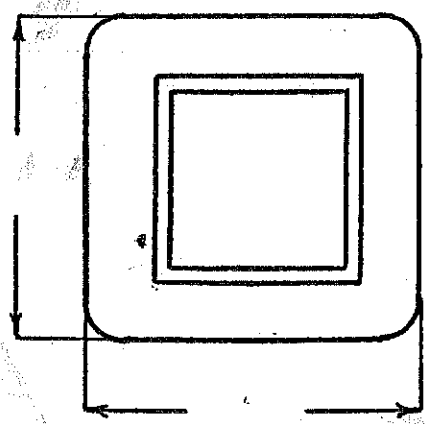
SPEC. NO. 4382

Winding	SEC	PR1	SEC				
Turns	825	550	825				
Taps	-	-	-				
Wind. Lgth.	1.25	-	-				
Wire Size	#29	#29	#29				
T. P. L.	92-9	92-6	92-9				
Finish	Silk Braided						
Type Lead							
Lead Lgth.	4"	4"	4"				
Layer Insul.	30#	c	c				
Test Volt.							
Wrapper	11005VC 3268	11005VC 3268	210056A				

TUBE 5L007 IMPREGNATION VARNISH

CORE GA. 24 GRADE B STACK 2x2

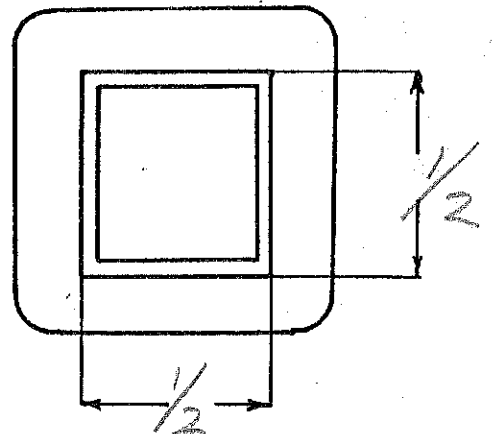
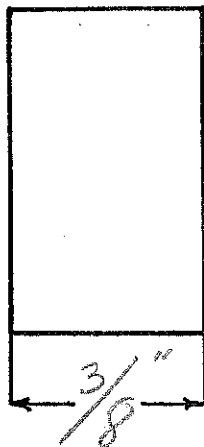
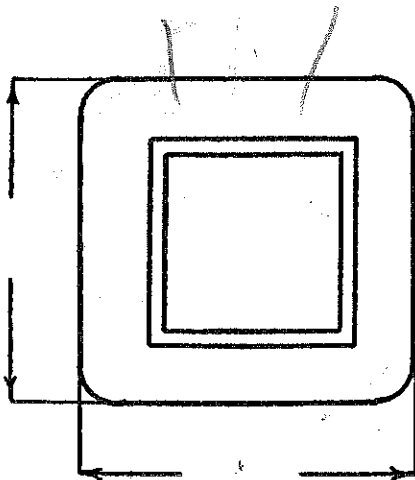
MOUNTING F



DESIGNED BY

DATE

Winding							
Turns	6,600						
Taps	—						
Wind. Lgth.	$\frac{1}{4}$ "						
Wire Size	40						
T. P. L.	92-72						
Finish							
Type Lead	Sil. Br.						
Lead Lgth.	2 $\frac{1}{2}$ "						
Layer Insul.	10#						
Test Volt.							
Wrapper	11003 Kraft						
TUBE	42007 GK		IMPREGNATION	Varnish			
CORE		GA.	GRADE	STACK			
MOUNTING							



DESIGNED BY JCG

DATE 12-14-38

Input 6 F6 triode to PP6A3 grids

$P: \frac{1}{2} 5 = 1.33$

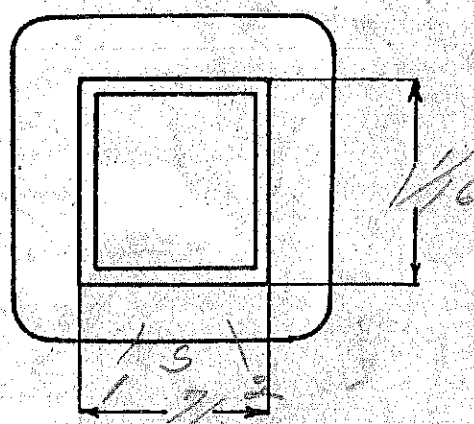
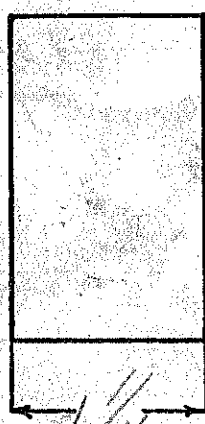
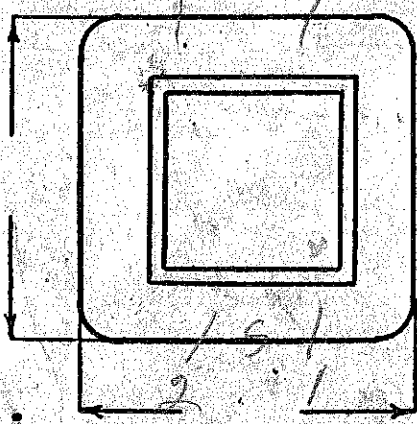
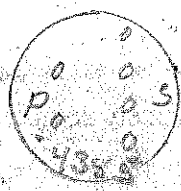
SPEC. NO. 4385

Winding	Sec	Pri	Sec			
Turns	2530	3440	2530			
Taps	—	—	—			
Wind. Lgth.	1 1/16					
Wire Size	#37	#35	#37			
T. P. L.	195-13	156-22	195-13			
Finish						
Type Lead	Self Braid					
Lead Lgth.	6"	6"	6"			
Layer Insul.	20#	20#	20#			
Test Volt.						
Wrapper	1L005VC 5L M.	1L005VC 5L M.	2L005VA.			

TUBE 7L007 IMPREGNATION Varnish

CORE GA. 29 GRADE A STACK .005" gap

MOUNTING K-lugs over Box size



DESIGNED BY

DATE

output P.P. 6A3 to 150-ohm antenna head
 also 500-ohm V.I. winding

JOHN W. CROSS

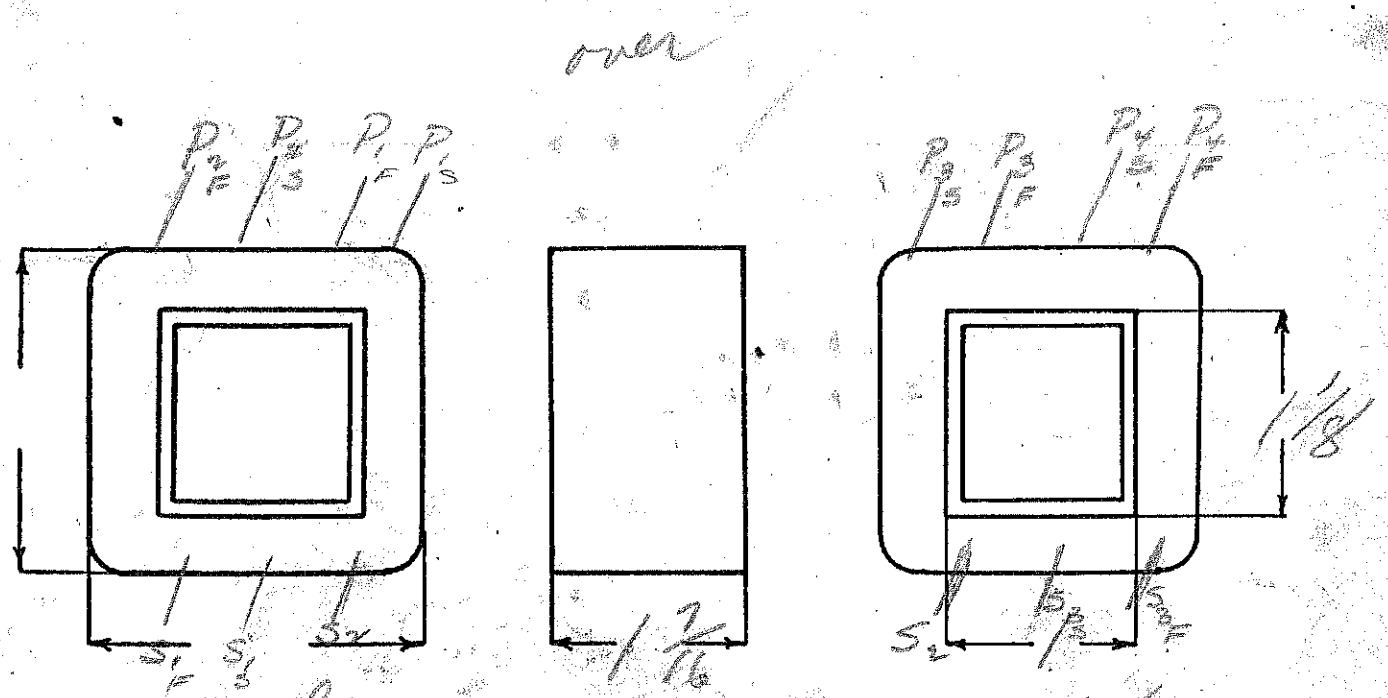
SPEC. NO. 4386

Winding	St. Black Fin. White P ₁	St. Red Fin. Blue S ₁	St. White Fin. Brown P ₂	St. Green Fin. Trace S ₂	St. Brown Fin. Green P ₃	St. Blue Fin. Red S ₃	St. Green Fin. Black P ₄
Turns	520	57	520	650	520	57	520
Taps							
Wind. Lgth.	1.25	✓	✓	✓	✓	✓	✓
Wire Size	#32	#22	#32	#32	#32	#22	#32
T. P. L.	130-4	36-2	130-4	130-5	130-4	36-2	130-4
Finish							
Type Lead							
Lead Lgth.							
Layer Insul.	20#	50#	20#	20#	20#		20#
Test Volt.							
Wrapper	1005VC	1005VC	1005VC	1005VC	1005VC	1005VC	2005CA

TUBE 6L407 IMPREGNATION Varnish

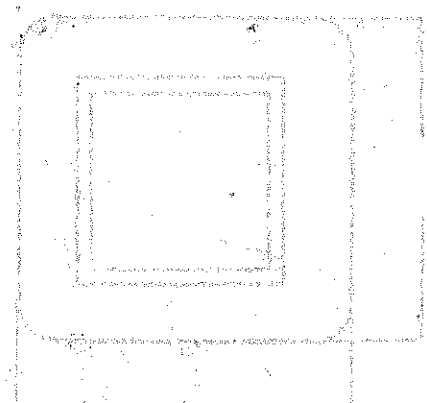
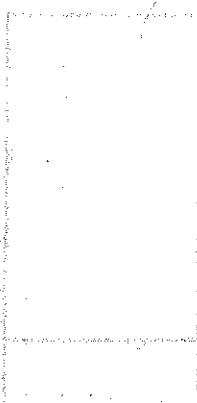
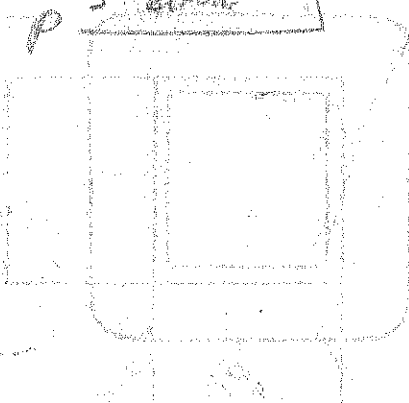
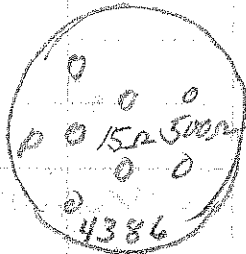
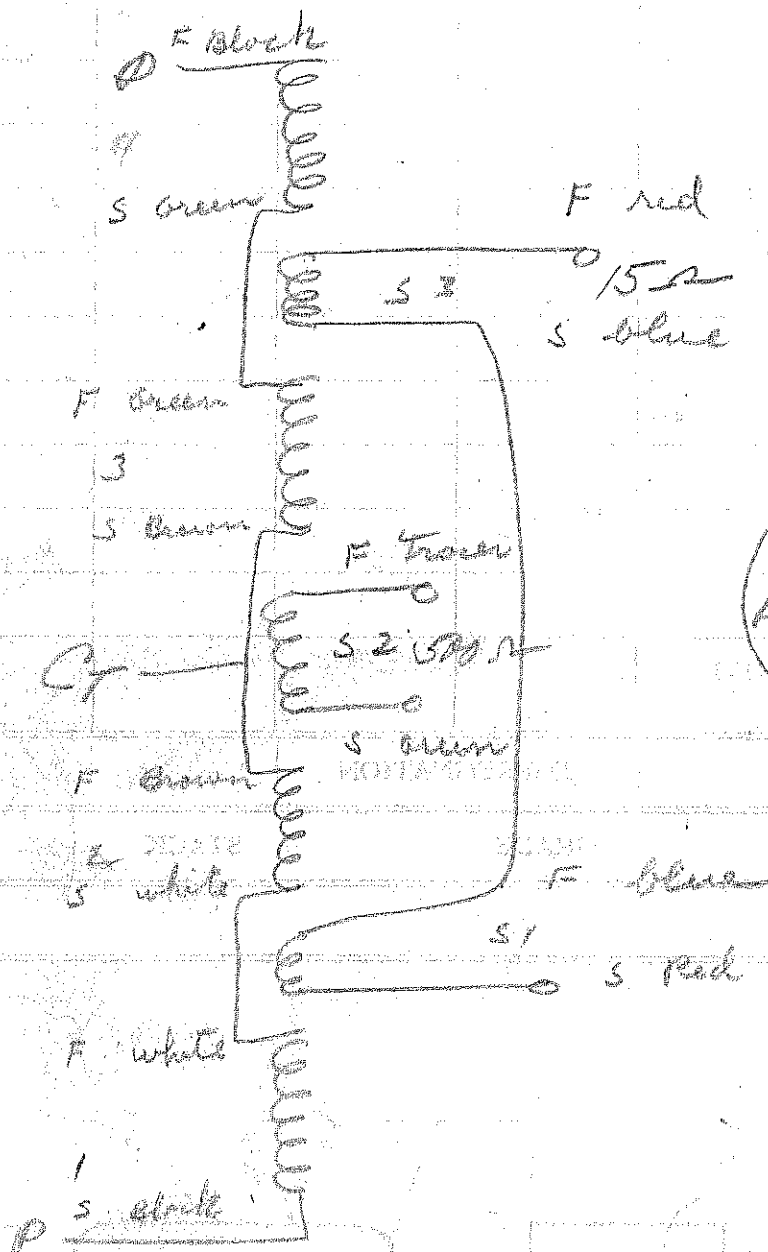
CORE GA. 29 GRADE A STACK 1X1

MOUNTING K



DESIGNED BY *gwr*

DATE 2/24/39



Special high impedance choke

160 H - 2 ma

two coils

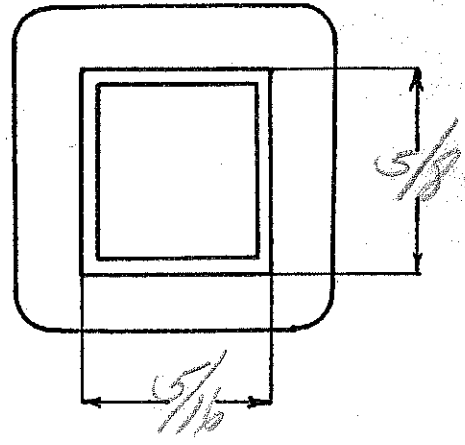
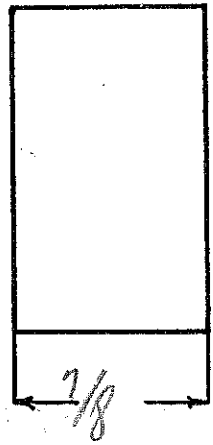
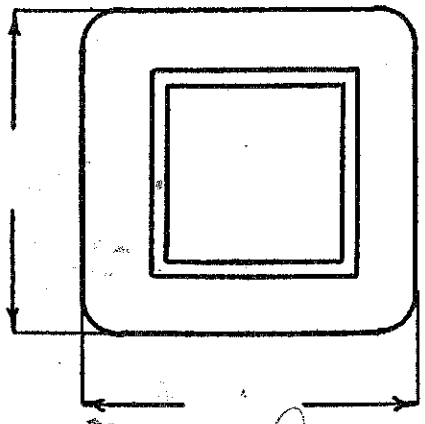
SPEC. NO. 4387

Winding							
Turns	4000						
Taps	—						
Wind. Lgth.	3/4						
Wire Size	#40						
T. P. L.	900						
Finish	Silbr						
Type Lead							
Lead Lgth.	3"						
Layer Insul.	12#						
Test Volt.							
Wrapper	210056A						

TUBE	41007	IMPREGNATION	Varnish
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CORE	1/2 - E	GA.	29	GRADE	B	STACK	212
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MOUNTING *Special*



DESIGNED BY *JW*

DATE 1/07/39

Special Choke - 2H-2ma

Time Coils

SPEC. NO. 4388

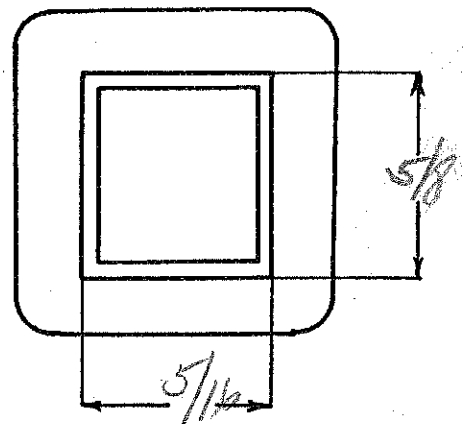
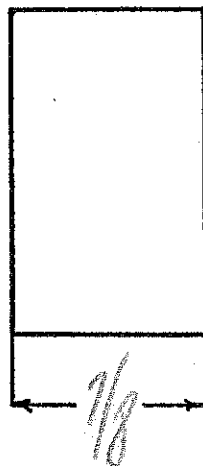
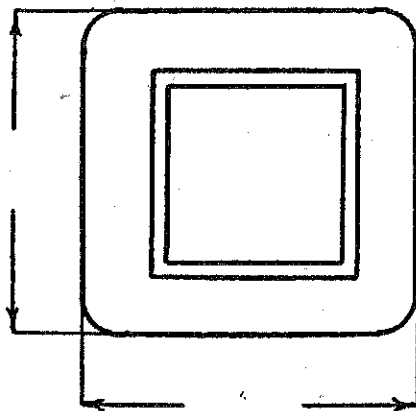
Winding							
Turns	750						
Taps							
Wind. Lgth.	3/4						
Wire Size	# 32						
T. P. L.	76-10						
Finish							
Type Lead	Sil Br						
Lead Lgth.							
Layer Insul.	30 #						
Test Volt.							
Wrapper	W056A						

325

TUBE	4601	IMPREGNATION	Varnish
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CORE	1/2 E	GA.	24	GRADE	B	STACK	.003' gap
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MOUNTING



DESIGNED BY

Jaw

DATE

1/19/31

special oscillator choke

SPEC. NO. 4389

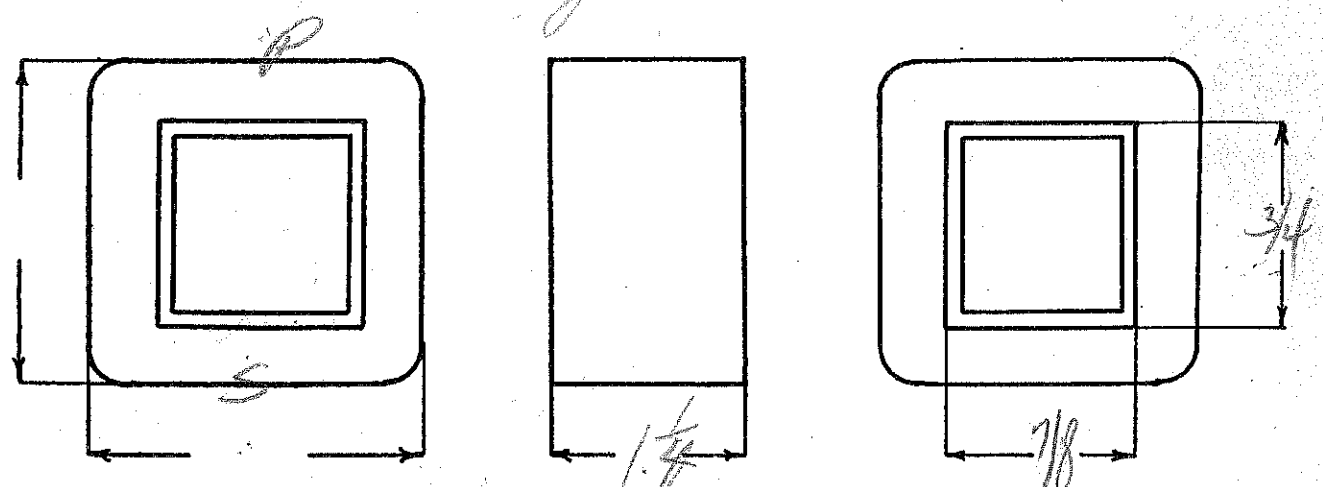
TR. OSCIL.							
Winding		P	S				
Turns	P1-4 P3	5270	1250				
Taps	P12	5000	-				
Wind. Lgth.		1 1/8					
Wire Size		#38	#34				
T. P. L.		220	138				
Finish	PITCH						
Type Lead		#20 P ₁ B ₁					
Lead Lgth.		9"	9"				
Layer Insul.		30 #	20 #				
Test Volt.							
* Wrapper		11005 VC. 101 Cl.	71.00564				

TUBE 5007 IMPREGNATION Varnish

CORE GA. 29 GRADE B STACK Butt 9/16 gap

MOUNTING A

Pri - common White
 1 - Black
 2 - Yellow
 3 - green
 Sec - Start Brown
 Finish Red



DESIGNED BY

DATE

Choke

Use with 4698-230V

SPEC. NO. 4390-230V

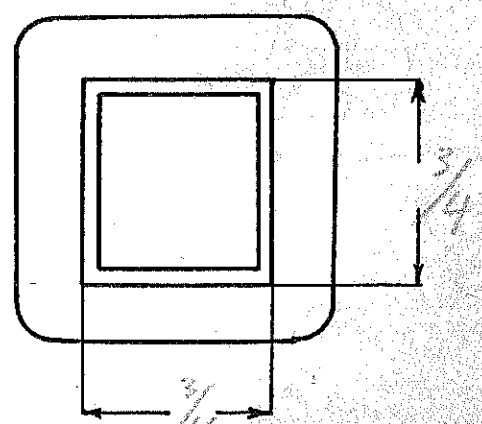
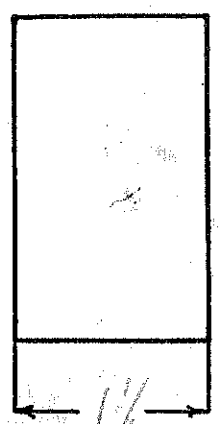
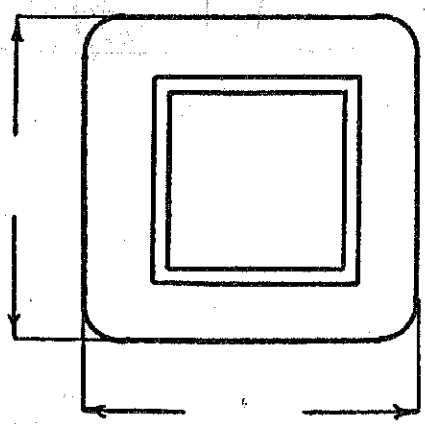
Winding	F						
Turns			1100				
Taps							
Wind. Lgth.	7/8						
Wire Size			#28				
T. P. L.			58-18				
Finish							
Type Lead	Al/Bn						
Lead Lgth.	3"						
Layer Insul.	40#		30#				
Test Volt.							
Wrapper	2600SGA						

TUBE	7L007	IMPREGNATION	Varnish laminated
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CORE	3/4 X 3/4	GA.	29	GRADE	D	STACK	2 X 2
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MOUNTING D

Stack 29 gauge 2 X 2 fill full.



DESIGNED BY

DATE

5-23-39

Special Choke
Use with #699
Transformer

Rose Co.

SPEC. NO. 4390

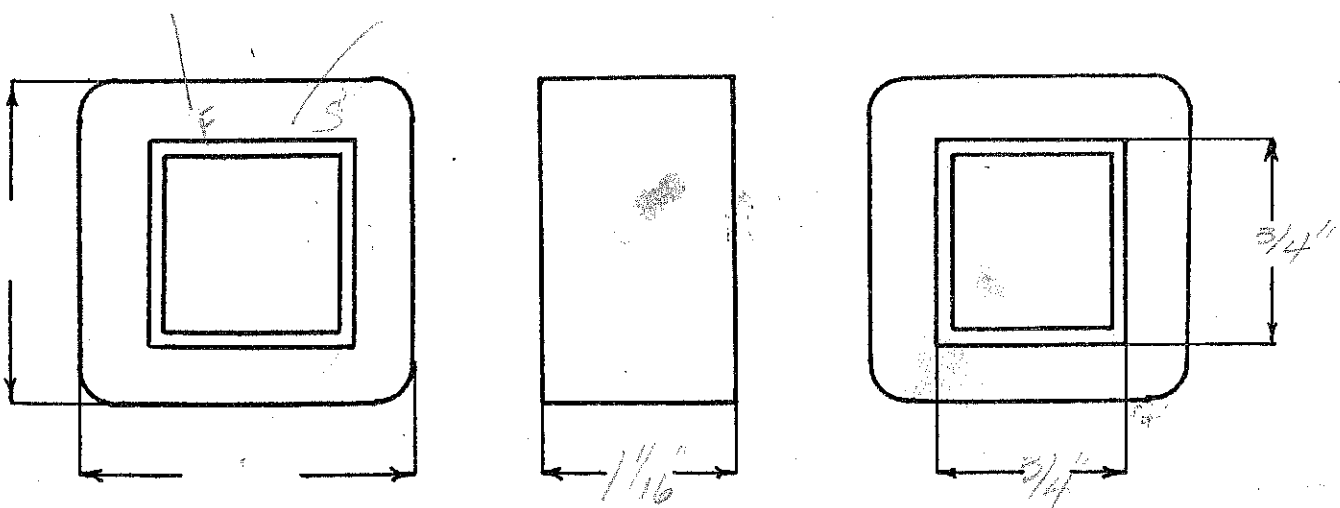
Winding		choke					
Turns		54.5					
Taps		—					
Wind. Lgth.		7 1/2" = 0.875					
Wire Size		#25					
T. P. L.		42-15 L					
Finish		91%					
Type Lead		W. O.					
Lead Lgth.		3"					
Layer Insul.		12 40#6					
Test Volt.		—					
Wrapper		2L 0056A					

TUBE	6L-0076K	IMPREGNATION	Double Varnish
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CORE	GA. 24	GRADE D	STACK 1 x 1
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MOUNTING D-3 Lugs

Wire Net = 0.268 (0.271")



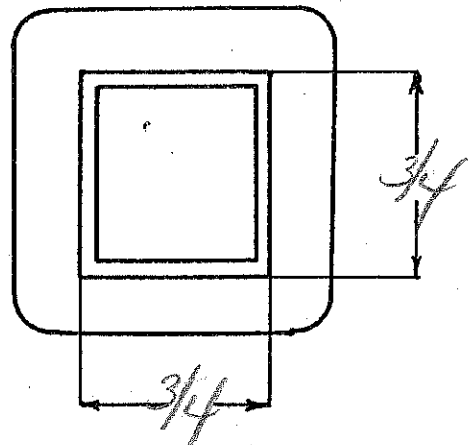
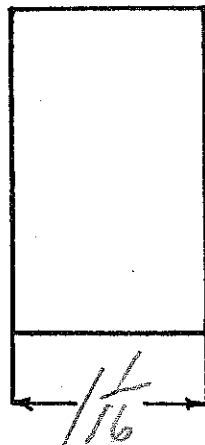
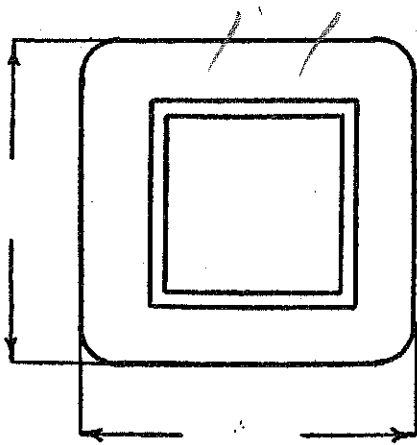
DESIGNED BY *HLR*

DATE 10-27-41

Special choke for Rick

SPEC. NO. 4391

Winding							
Turns	550						
Taps							
Wind. Lgth.	7/8						
Wire Size	#26+						
T. P. L.	45-13						
Finish							
Type Lead							
Lead Lgth.	3"						
Layer Insul.	40#						
Test Volt.							
Wrapper	210050A						
TUBE	7607		IMPREGNATION		Varnish		
CORE	GA. 24		GRADE		212		
MOUNTING	D						



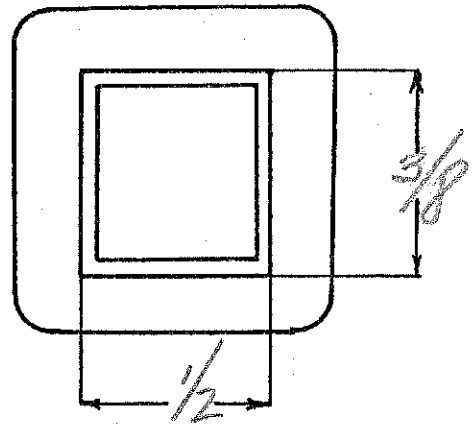
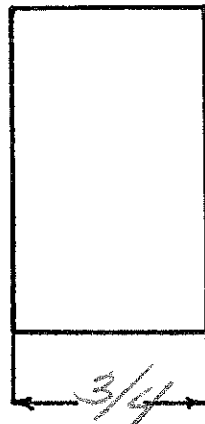
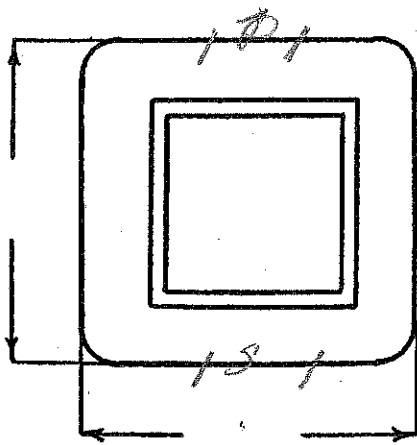
DESIGNED BY *JWR*

DATE 1/28/39

200 n to grid

SPEC. NO. 4392

Winding	SEC	PR1				
Turns	6600	324				
Taps						
Wind. Lgth.	5/8					
Wire Size	#40	#34				
T. P. L.	167-40	81-4				
Finish						
Type Lead	#22 cellac					
Lead Lgth.	6"	6"				
Layer Insul.	12#	30#				
Test Volt.						
Wrapper	11003VP	21005GA				
TUBE	4207		IMPREGNATION	wax over		
CORE		GA. 29	GRADE B	STACK 2x2		
MOUNTING	M-					



DESIGNED BY *[Signature]*

DATE 2/19/39

110 V, 60 Hz coil

Trambull 20967
FLEC MFG. CO.

SPEC. NO. 4393

Winding							
Turns	1000						
Taps	-						
Wind. Lgth.	1/8						
Wire Size	#25						
T. P. L.	42-24						
Finish							
Type Lead	#20 Dashed						
Lead Lgth.	7"						
Layer Insul.	40#						
Test Volt.							
Wrapper	12007VC 2LKraft						

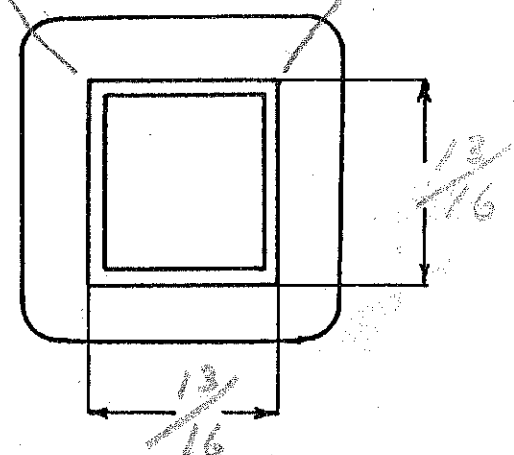
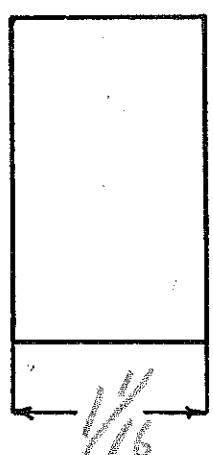
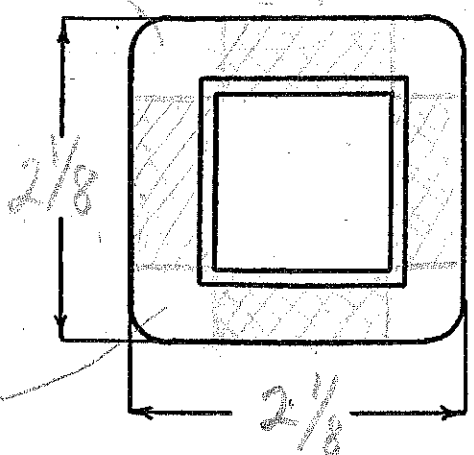
TUBE	SL007+1L007VC	IMPREGNATION	Double Varnish - Hard Bake
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CORE	GA.	GRADE	STACK
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MOUNTING

Must be kept within outside dimensions
mach sides of coil.

1L007VC + 1L005 GA wrap



DESIGNED BY 9023

DATE 2-7-39

110V, 60N coil

I number 25058

SPEC. NO. 4394

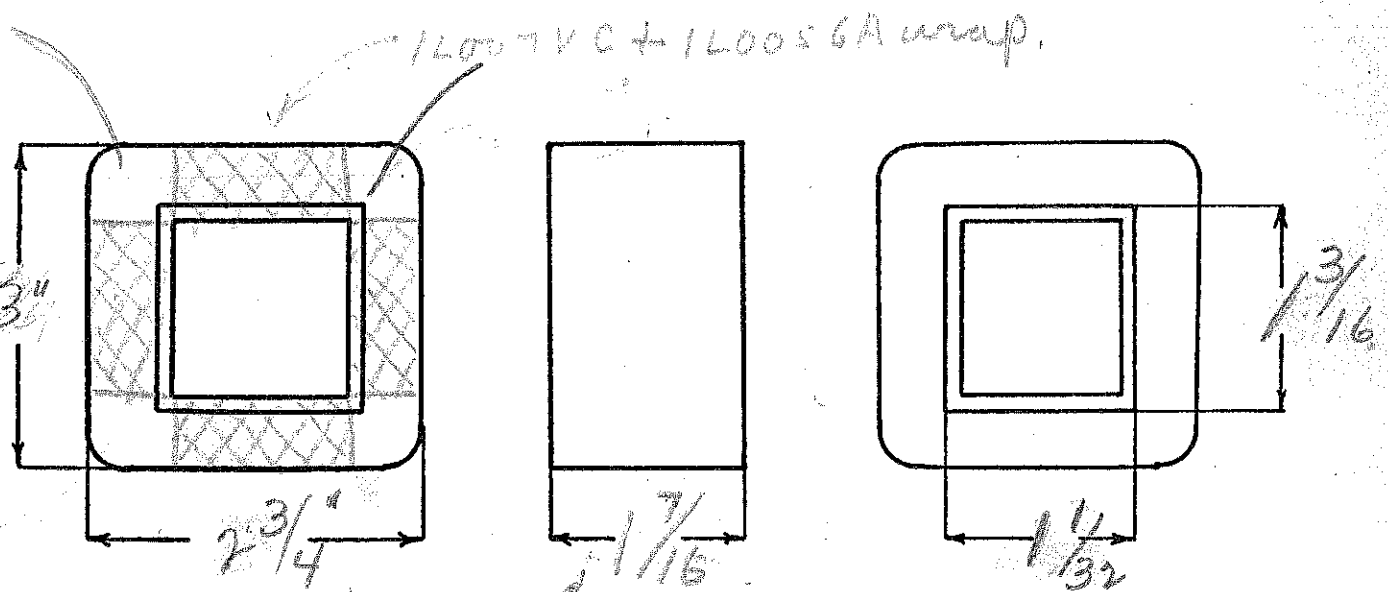
Winding							
Turns	500						
Taps	-						
Wind. Lgth.	1/4						
Wire Size	#21						
T. P. L.	39-13						
Finish							
Type Lead	#20 Dukon						
Lead Lgth.	1 3/4						
Layer Insul.	50#						
Test Volt.							
Wrapper	1L007VC ALUcraft						Double wrap

TUBE	5L007+1L007VC	IMPREGNATION	hard tape
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CORE	GA.	GRADE	STACK
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MOUNTING

Coil must be kept within outside dimensions.



DESIGNED BY J.C.L.

DATE 7-2-1-39

Choke - 175ma - 125- Ω
(customer reported 100 Ω)

SPEC. NO. 4395

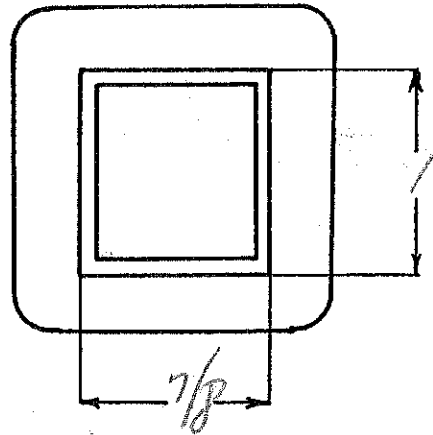
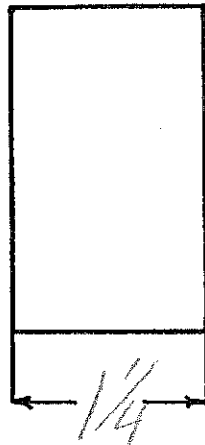
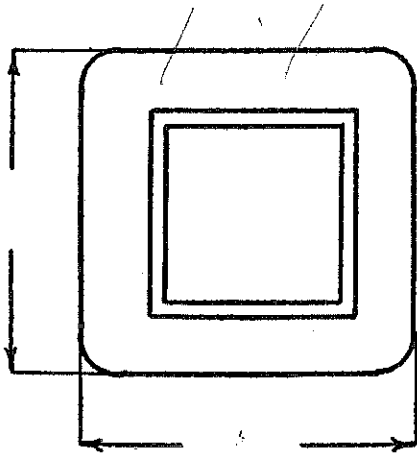
Winding	Pri						
Turns	2490						
Taps	-						
Wind. Lgth.	1/16						
Wire Size	#30						
T. P. L.	89-28						
Finish							
Type Lead	Sil/Bn						
Lead Lgth.	3"						
Layer Insul.	20 #						
Test Volt.	250.0						
Wrapper	2L0056A						

TUBE .7L007GK IMPREGNATION Varnish

CORE 7/8 x 1 GA. 24 GRADE D STACK 1/16"

MOUNTING D

$2.49 \times .42 \times 108.2 = 108 \Omega$



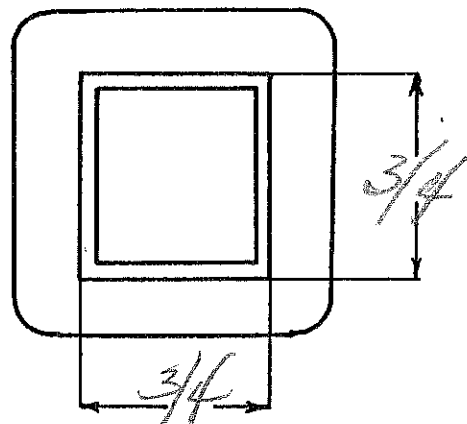
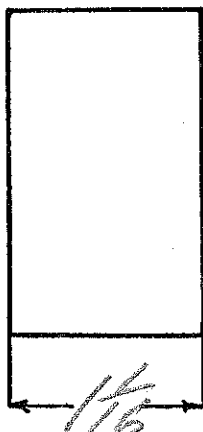
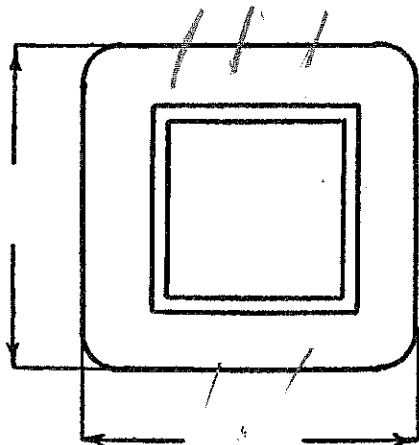
DESIGNED BY JCS

DATE 2-13-39

Pri-6B5
 Sec - P. P. gas overall ratio 1-1

SPEC. NO. 4396

Winding	SEC	PRI				
Turns	3500	3500				
Taps	1750	-				
Wind. Lgth.	7/8					
Wire Size	#37	#37				
T. P. L.	160-22	160-22				
Finish						
Type Lead	SEC PR	W.O.				
Lead Lgth.	3"	3"				
Layer Insul.	20#					
Test Volt.						
Wrapper	4L.M. 1005VC	2005GA				
TUBE	52007		IMPREGNATION		Varnish	
CORE	GA.	29	GRADE B		STACK 005 3/20	
MOUNTING	D					



DESIGNED BY *gwo*

DATE 2/12/39

R.F. Choke

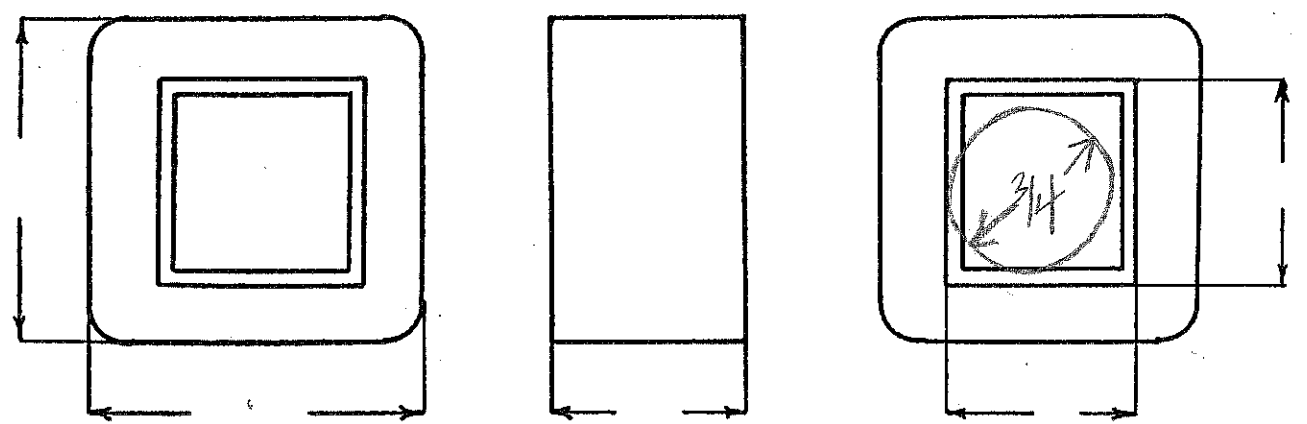
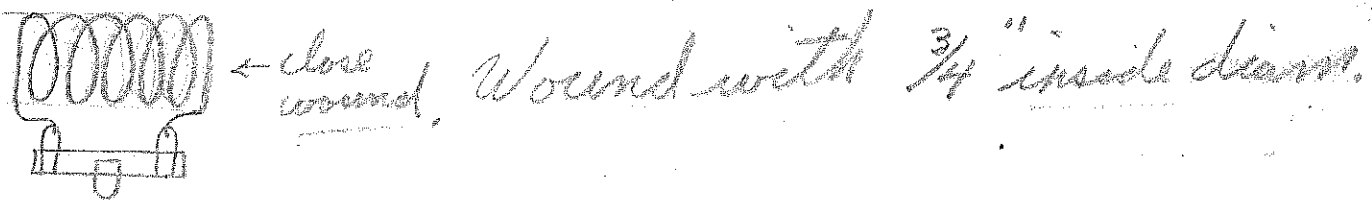
SPEC. NO. 4397

Winding						
Turns	19					
Taps	-					
Wind. Lgth.	Close wound					
Wire Size	#14E					
T. P. L.						
Finish	Solder to tie points					
Type Lead	W.O.					
Lead Lgth.	1"					
Layer Insul.						
Test Volt.						
Wrapper						

TUBE		IMPREGNATION
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CORE	GA.	GRADE	STACK
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MOUNTING



DESIGNED BY 903

DATE 2-14-39

6K6 to 500 ohm line (Voice Only)
(7600 ohm)

PIERSON'S DESIGN

3.97:1 ratio

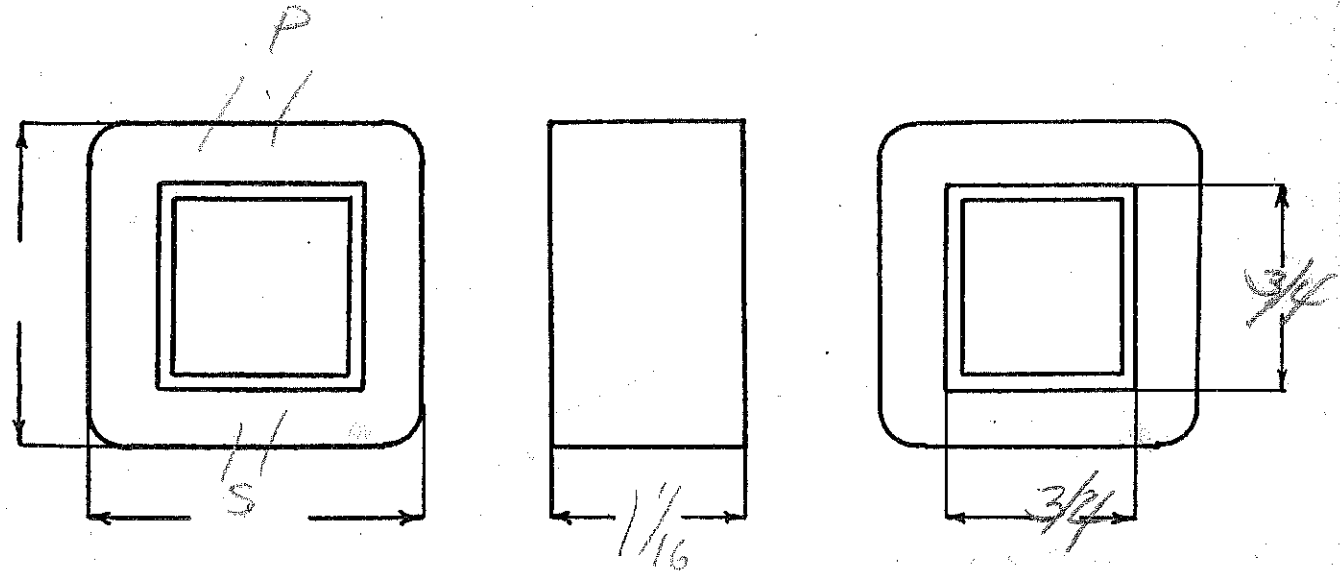
SPEC. NO. 4399

Winding	Pri	Sec				
Turns	2500	630				
Taps	-	-				
Wind. Lgth.	7/8	-				
Wire Size	#36	#30				
T. P. L.	140-18	71-9				
Finish						
Type Lead	Sil/Bn	Sil/Bn				
Lead Lgth.	3"	3"				
Layer Insul.	20#	30#				
Test Volt.	1250					
Wrapper	1L007VC	2L005GA				

TUBE 4L007 GK IMPREGNATION Varnish

CORE 3/4 X 3/4 GA. 29 GRADE B STACK .005

MOUNTING D



DESIGNED BY 209

DATE 2-14-39