

Similar to Inca L42

EXPERIMENTER

Class B Input

#125 list

30, 45, 49, 37, 89, 56, or 53

Ratio P - 1/2 sec = 1:78

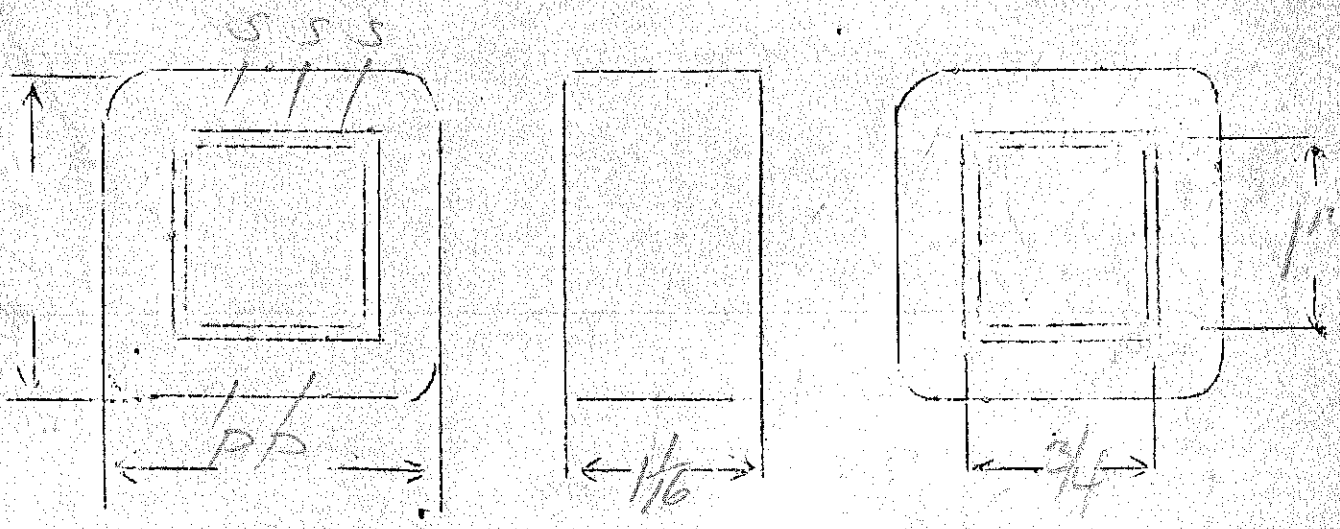
to 19, 49, 79, 89, 46, 53

SPEC. NO. 901

4000 r -

Winding	FR1	JEC				
Turns	2960	4600				
Taps	—	2300				
Wind. Lgth.	7/8	7/8				
Wire Size	#37	#37				
T.P.L.	165-18	165-28				
Kind Term.	Silber	Sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	16#	16#				
Wrapper	2077VC	26055A				
TUBE	42007			IMPREGNATION		VARNISH - WAX
CURE	3/4 x 1					

#941
[Handwritten signature]



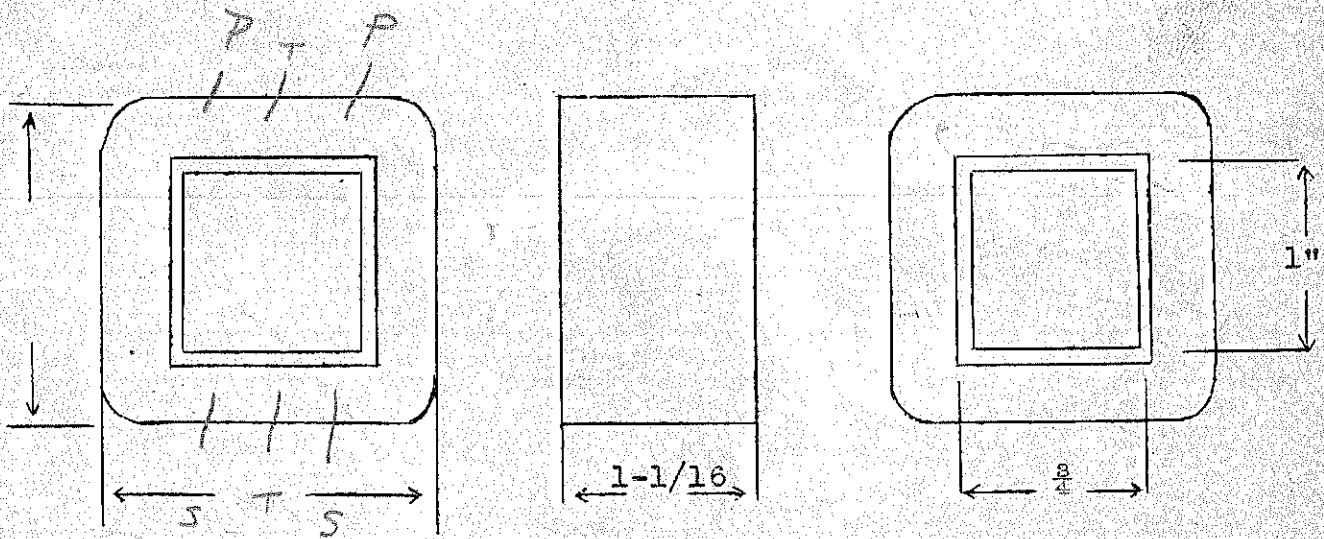
Small Class B output from 19, 46, 53, 79 to 3,500 or 5,000 ohm modulator

OLD

SPEC. NO. D902

Winding	PRI	SEC				
Turns	2400	1700				
Taps	1200	1430				
Wind. Lgth.	7/8	7/8				
Wire Size	#35	#33				
T.P.L.	134- 20	107-16				
Kind Term.	Sil Br	Sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	20#	20#				
Test Volt.						
Wrapper	1L007VC	2L005GA				

TUBE	4L007	IMPREGNATION	VARNISH
CORE	$\frac{3}{4}$ x 1	.005" Gap	26Ga <i>Synthetic</i> PRIMARY V.A.
MOUNTING	D		



DESIGNED BY G.W.

DATE

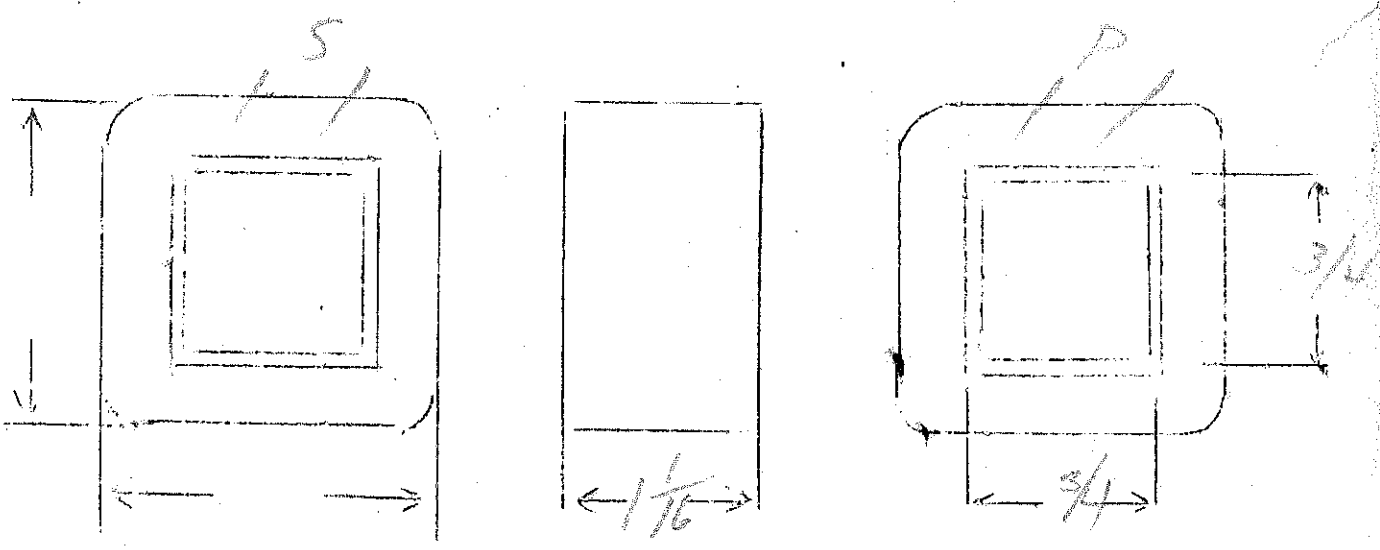
$Z_p = 2000 \Omega$
 $Z_s = 100,000$

$\frac{Z_1}{Z_2} = 50$
 $\frac{N_1}{N_2} = 7.07$

D. U. Pitt

SPEC. NO. 903

Winding	SEC	PR1				
Turns	8400	1190				
Taps	—	—				
Wind. Lgth.	15/16	15/16				
Wire Size	#40	#32				
T.P.L.	236-36	100-12				
Kind Term.	Sil Br	Sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	16#	20#				
Wrapper	1L0071C	2L0050A				
TUBE	4L007	IMPREGNATION		VARNISH-WAX		
CURE	3/4 x 3/4					



Output - single 53 to 6000 ω , 3000 ω sec

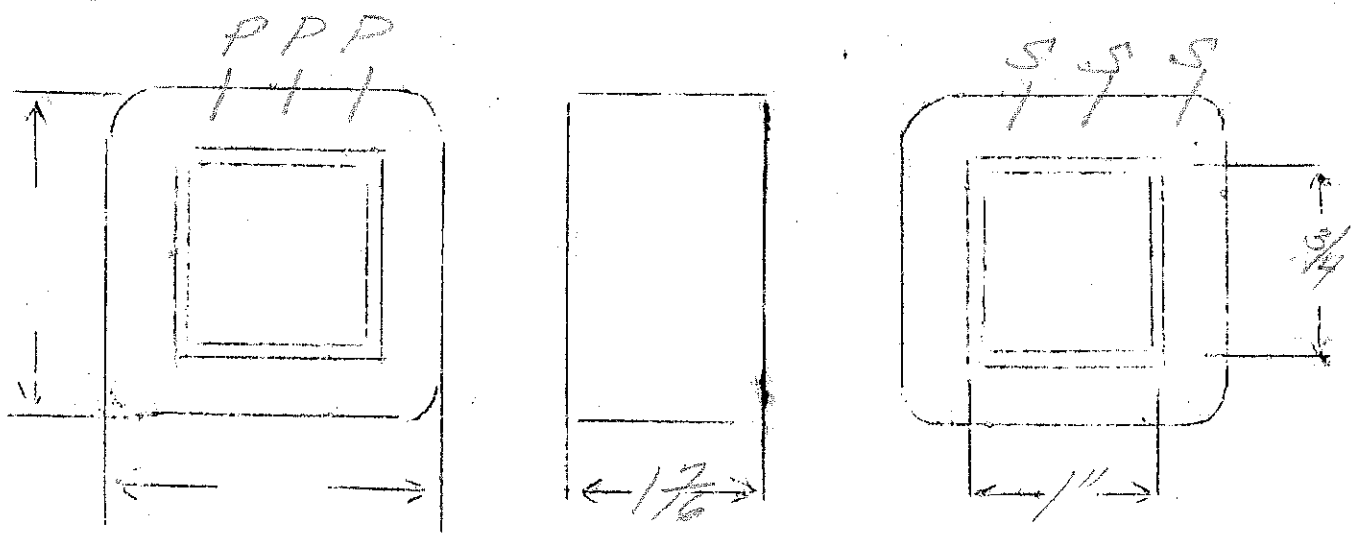
$Z_p = 10000 \Omega$ P-P

secondary to carry 100mA
15 watts

$Z_s = 6000 \Omega$
3000 ω

SPEC. NO. 904

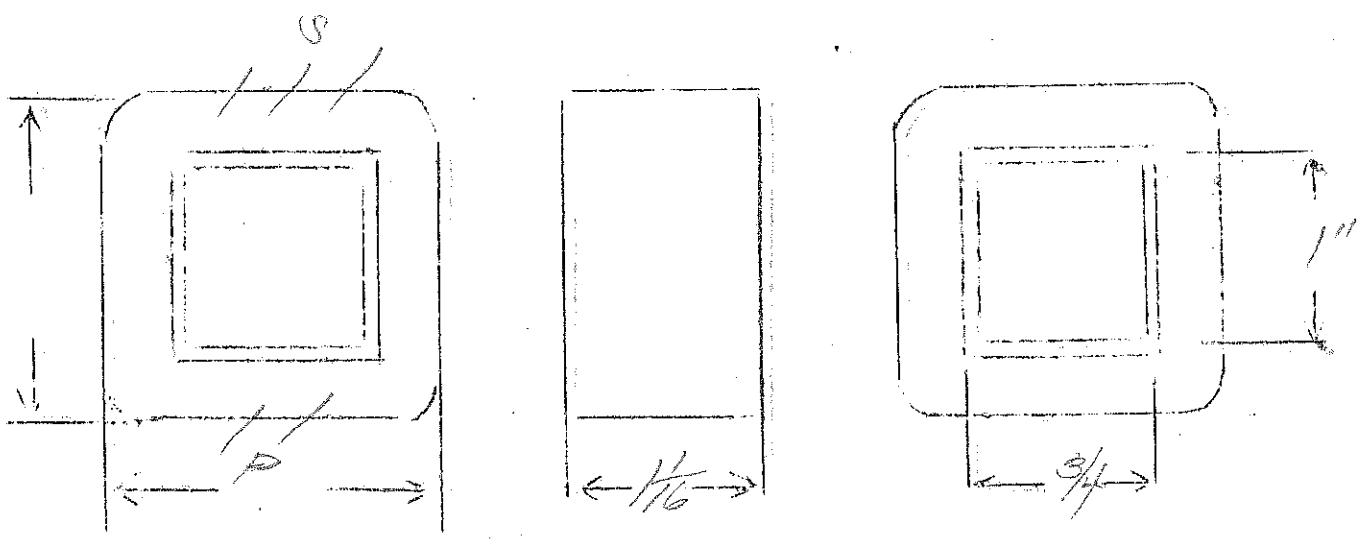
Winding	PRI	SEC				
Turns	3100	2320				
Taps	1550	1640				
Wind. Lgth.	1.25	1.25				
Wire Size	#32	#32				
T.P.L.	135-24	135-18				
Kind Term.	#20 Flr Red Blk	#20 Flr Black White				
Term. Lgth.	9"	9"				
Layer Insul.	30#	30#				
Wrapper	1L007VC	2L0056A				
TUBE	4L007	IMPREGNATION	VARNISH			
CURE	1X3/4	gap.003	295. AUDIO STEEL			



3 - 1 interstage audio - Rodco Selenium Supply

SPEC. NO. #906

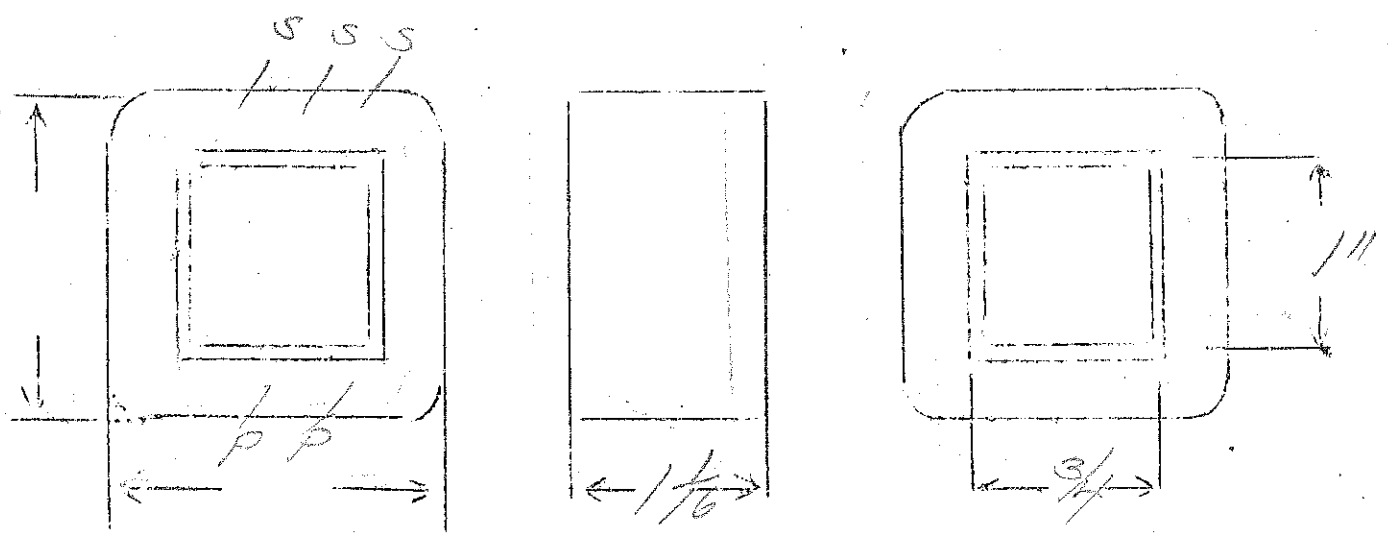
Winding	PRI	SEC				
Turns	3000	9000				
Taps	NONE	NONE				
Wind. Lgth.	7/8"	7/8"				
Wire Size	#39	#39				
T.P.L.	232	232				
Kind Term.	Si/Br	Si/Br				
Term. Lgth.	3"	3"				
Layer Insul.	16#	16#				
Wrapper	72007C	20056A				
TUBE	72007	IMPREGNATION	VARNISH-WAX			
CURE	3/4" x 1" audio 2x2 - universal bracket					



V.O. input - 4 to 1 overall - Radio Jellison

SPEC. NO. 7907

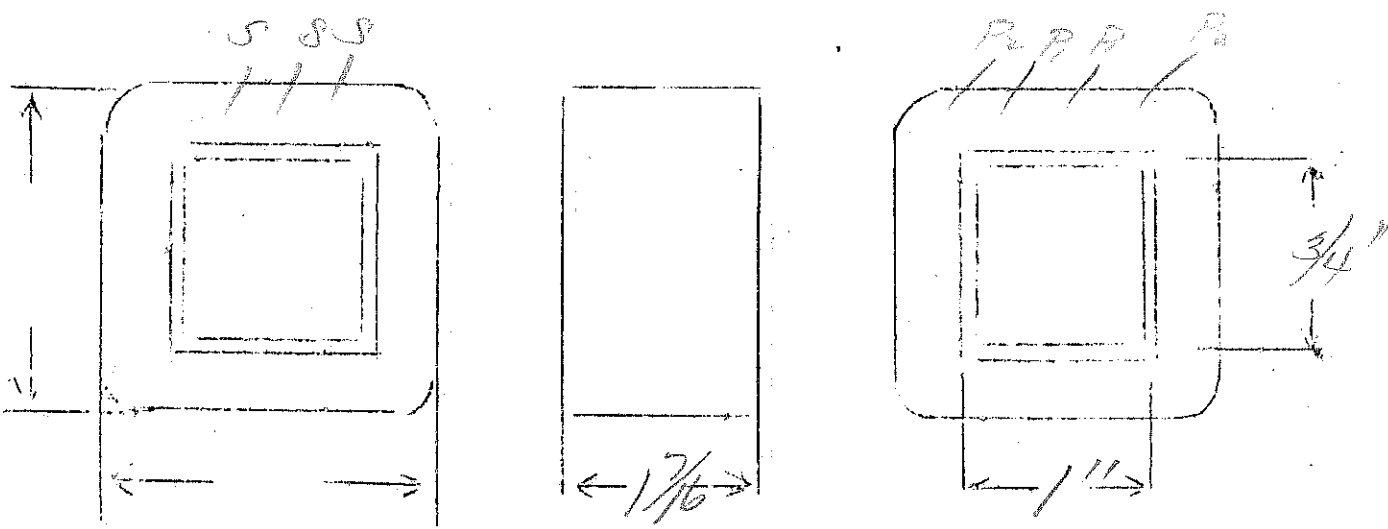
Winding	PRI	SEC				
Turns	2500	10000				
Taps	NONE	5000				
Wind. Lgth.	7/8"	7/8"				
Wire Size	#39	#39				
T.P.L.	232	232				
Kind Term.	Sil Br	Sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	16#	16#				
Wrapper	2L007/C	2L0058A				
TUBE	2L007		IMPREGNATION	YARNISH + WAX		
CURE	3/4" audio 2x2 universal bracket					



Double Button Carbon or Ribbon single coil

SPEC. NO. 908

Winding	SFC	P ₁	P ₂				
Turns	8400	470	24				
Taps	—	235	—				
Wind. Lgth.	1.25	125					
Wire Size	#38	#28	#15				
T.P.L.	265-32	80-6					
Kind Term.	20 Pbnd	20 Pbnd	wire				
Term. Lgth.	9"	9"	9"				
Layer Insul.	16#	20#	—				
Wrapper	1L007VC	2L005GA	2L005GA				
TUBE	4L007	IMPREGNATION		VARNISH			
CURE	1X134						

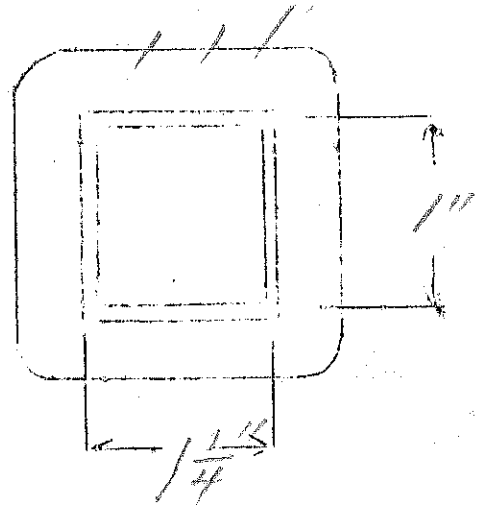
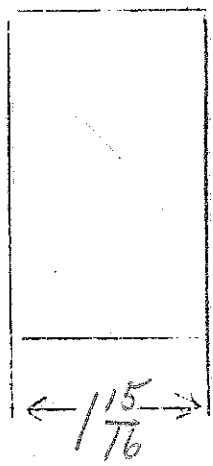
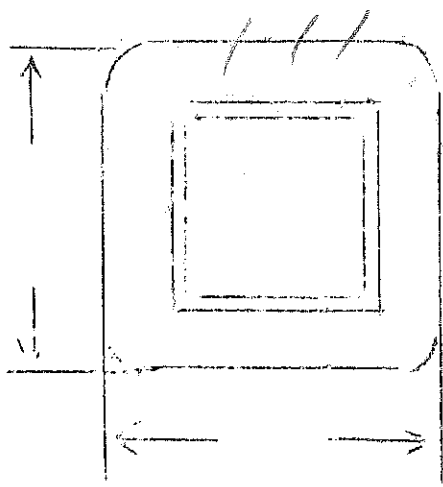


P.P. Rarold 243 Class AB (output)
 to 500 or 2000
 and
 15-2000
 2000 (plate-plate)

(80 ma)

SPEC. NO. 909

Winding	PR1	SEC1	SEC2				
Turns	3750	1870	320				
Taps	1875	1170	—				
Wind. Lgth.	1.75	1.75	1.75				
Wire Size	#32	#29	#21				
T.P.L.	188-20	134-15	54-6				
Kind Term.	#20 Per	#20 Per	wire				
Term. Lgth.	9"		9"				
Layer Insul.	30#	30#	KRAFT				
Wrapper	2L007C 2L005GA	2L007SA	2L007GA				
TUBE	2L007	IMPREGNATION		VARNISH			
CURE	1/4" x 1" - 1X1 stack						

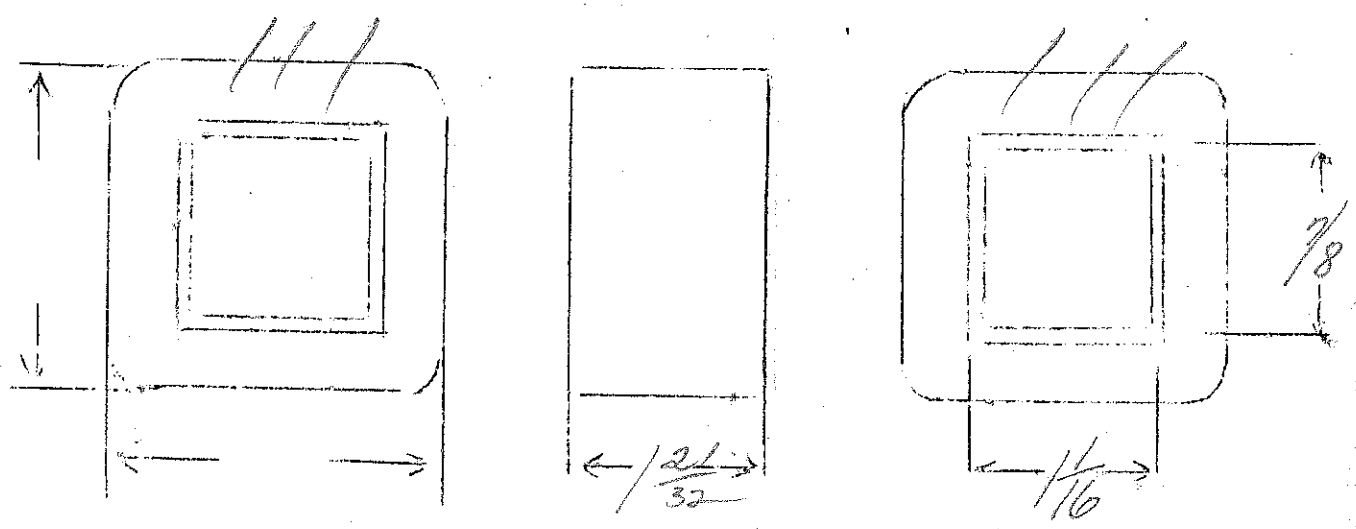


PP: 45 - Class A & PP Parallel 243 class

(input) 8000Ω

SPEC. NO. 910

Winding	PRI	SEC				
Turns	5500	5500				
Taps	2750	2750				
Wind. Lgth.	$\frac{15}{32}$	$\frac{15}{32}$				
Wire Size	#34	#34				
T.P.L.	190-30	190-30				
Kind Term.	#20 P.W.	#20 P.W.				
Term. Lgth.	9"	9"				
Layer Insul.	30#	30#				
Wrapper	2L007K2WASEA					
TUBE	2L007		IMPREGNATION	VARNISH		
CURE	1 1/16 x 7/8 - 1X/ stack 266 Synma					



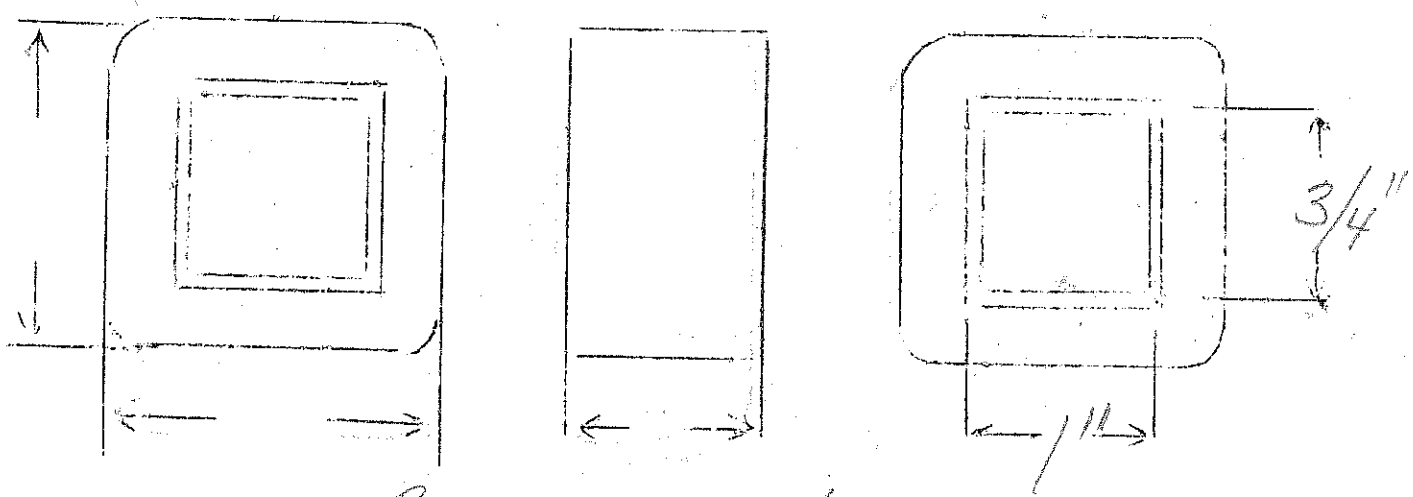
output: 55 plate to 2000 ohm line
 20000 ohm to 200 ohm

8th list - H/M

SPEC. NO. 919

Winding	PRI	SEC				
Turns	4000	800				
Taps	—	—				
Wind. Lgth.	1/4"	3/16"				
Wire Size	#39	#29				
T.P.L.	56-72	34-24				
Kind Term.	#20 PBR	#20 PBR				
Term. Lgth.	6"	6"				
Layer Insul.	16#	20#				
Wrapper	12007VC	22005GA				
TUBE	7L007	IMPREGNATION		VARNISH		
CURE	1 X 3/4 NW					

pri - 2 coils 4000T ea.
 sec - 1 coil - 800T.



Primary coil width 5/8"
 Secondary coil width 3/8"

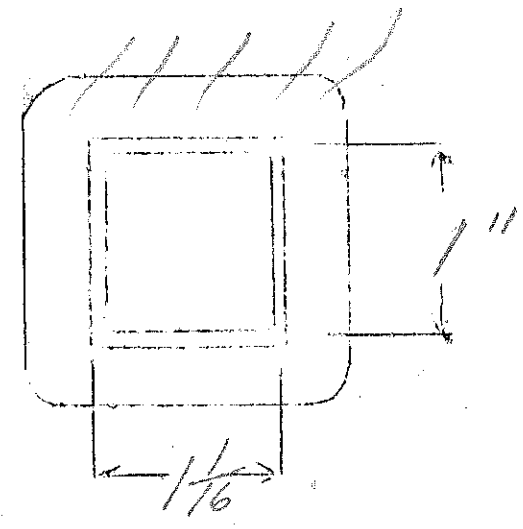
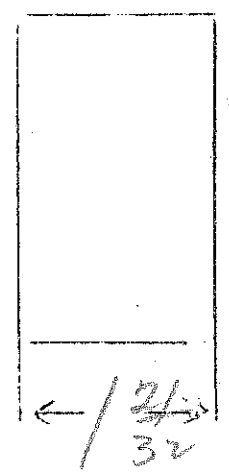
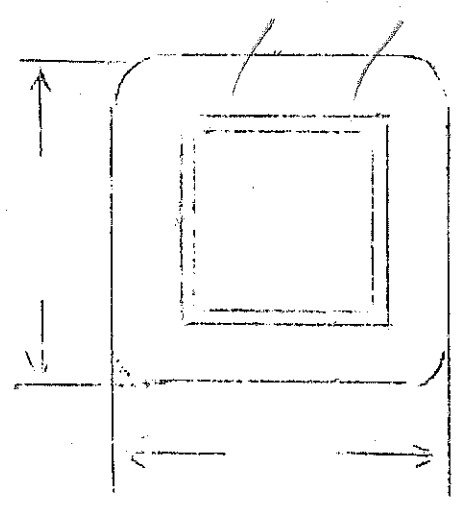
500 Ω to 15, 7.5, 5, 3.5 Ω

+35 dB

SPEC. NO. 921

Continued

Winding	PR1	SEC ₁	SEC ₂				
Turns	1900	158	175				
Taps	—	—	77 32				
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$					
Wire Size	#29F	#20	#22				
T.P.L.	108-18	40-4	45-4				
Kind Term.	#20 PBA	wire					
Term. Lgth.	911	911	91				
Layer Insul.	30#						
Wrapper	2L005GA	1L005GA	2L005GA				
TUBE	4L007	IMPREGNATION		VARNISH			
CURE	1/16 x 1/4						



(OVER)

P.P. 2A3

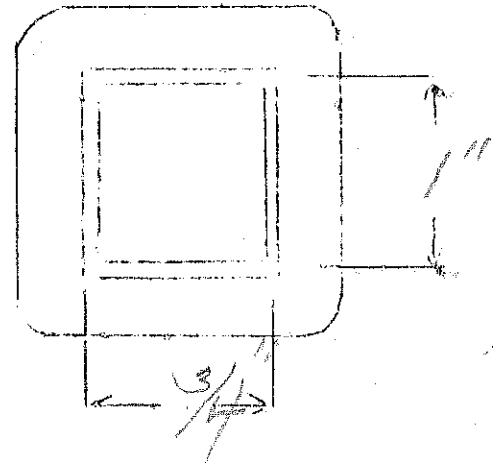
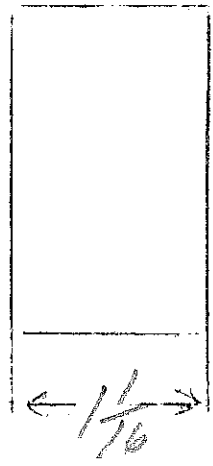
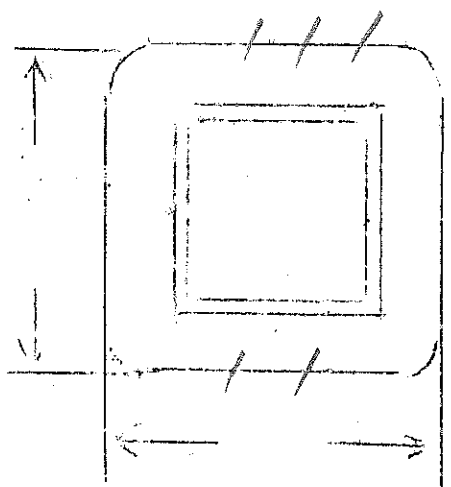
4000 r - 10

Remler

Pri- 40 Ma

SPEC. NO. 922

Winding	PRI	SEC				
Turns	4300	22				
Taps	2150	-				
Wind. Lgth.	7/8"	7/8"				
Wire Size	#35	#19				
T.P.L.	134	22				
Kind Term.	al br	wire				
Term. Lgth.	3"	3"				
Layer Insul.	20#	-				
Wrapper	2L0056A	2L0056A				
TUBE	7L007		IMPREGNATION		VARNISH	
CURE	3/4 X 1"					

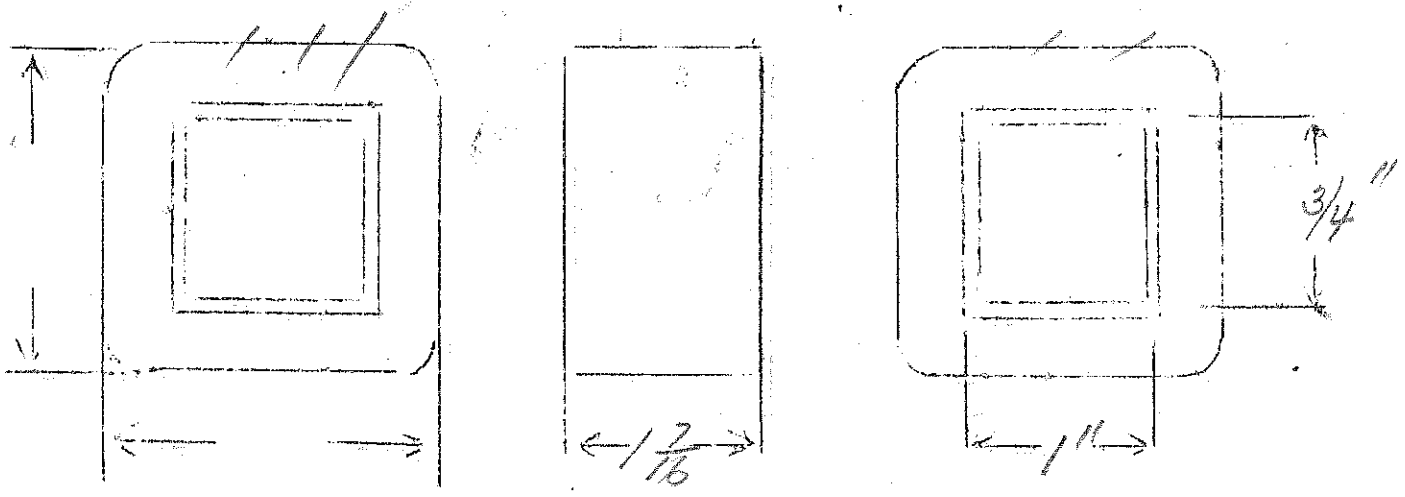


Rembler

P.P. 2A3 - 4000 Ω - 12 V.C.

SPEC. NO. 924

Winding	PRI	SEC				
Turns	6000	30				
Taps	3000	-				
Wind. Lgth.	1.25	-				
Wire Size	#35	#18				
T.P.L.	190-32					
Kind Term.	Sil Br	wire				
Term. Lgth.	3"	3"				
Layer Insul.	20#	-				
Wrapper	2L0056A	2L0056A				
TUBE	7L007		IMPREGNATION	VARNISH		
CURE	1 X 3/4 NW AUDIO		296	2 X 2 STACK		

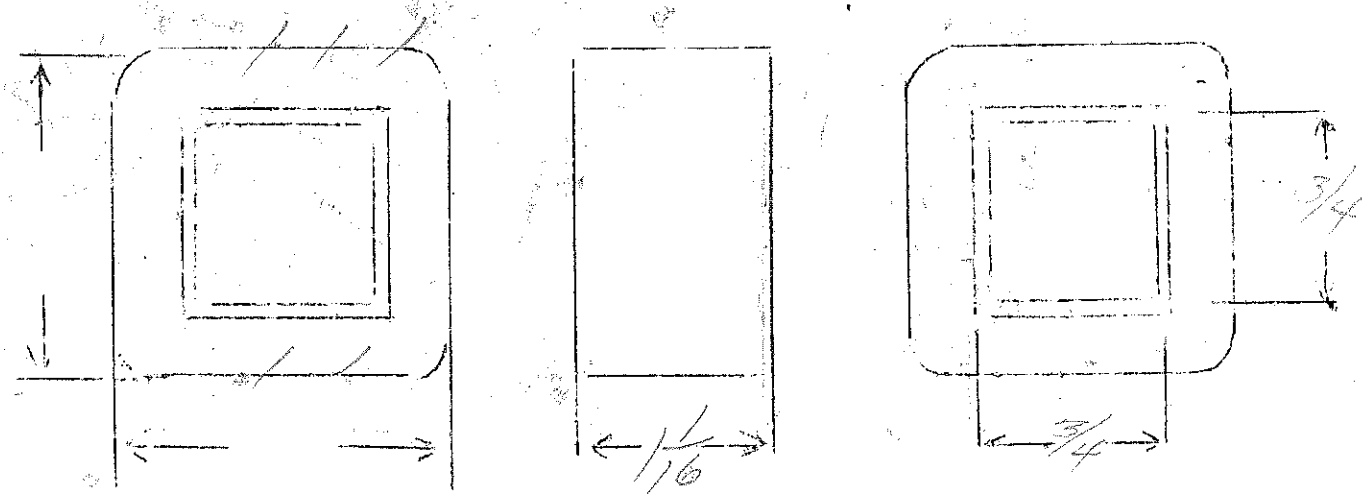


C = 124

Hernfeldt

SPEC. NO. 925

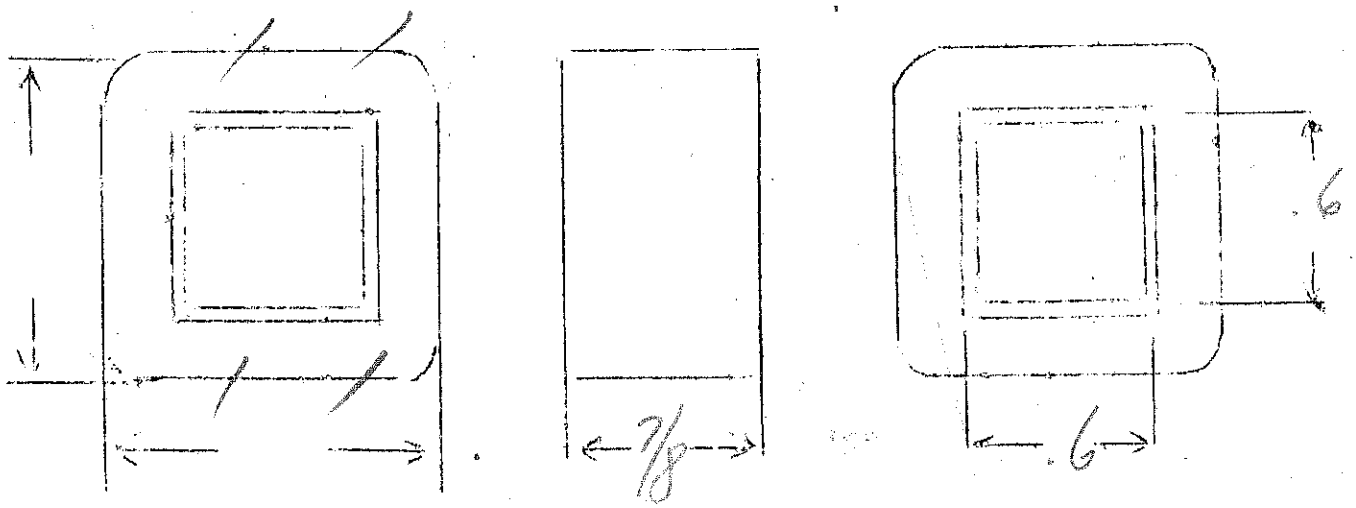
Winding	P	S				
Turns	3200	3000				
Taps	1600	6000				
Wind. Lgth.	7/8	7/8				
Wire Size	#36	#39				
T.P.L.	146-22	210-15				
Kind Term.	sil or	—				
Term. Lgth.	3"	3"				
Layer Insul.	16#	16#				
Wrapper	100% V					
TUBE	7/16 007		IMPREGNATION		Varnish & Wax	
CURE	3/4 x 3/4					



Remlor

SPEC. NO. 928

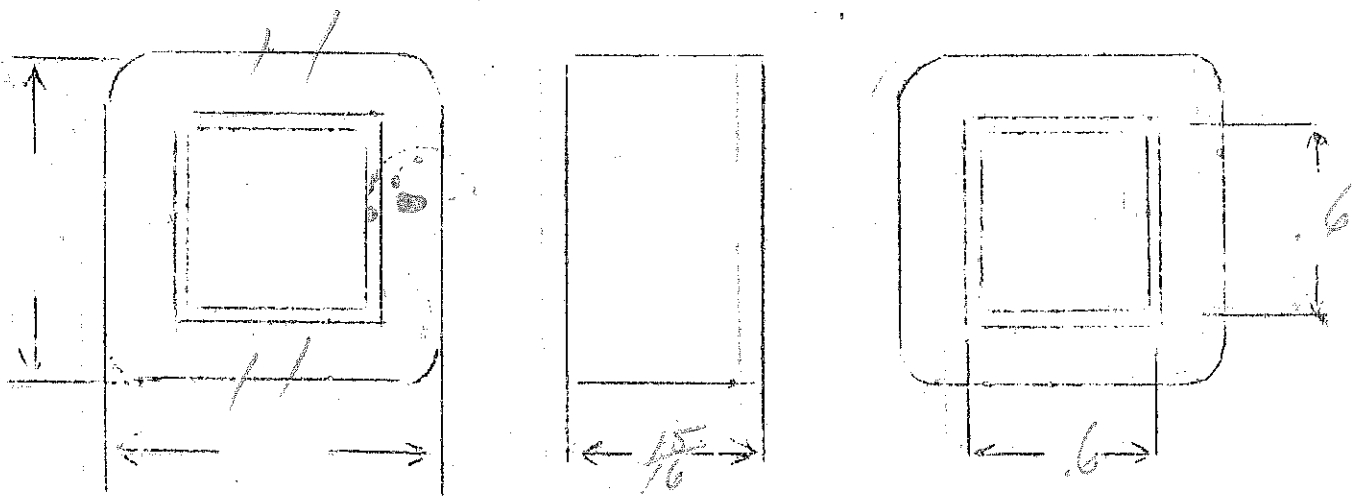
Winding	PRI	SEC				
Turns	1500	30				
Taps	—					
Wind. Lgth.	3/4	3/4				
Wire Size	#36	#24				
T.P.L.						
Kind Term.	#22 PBR	wire	sleeving			
Term. Lgth.	8"	8"				
Layer Insul.	30 #					
Wrapper	2L0056A	2L0056A				
TUBE	4L007		IMPREGNATION		Varnish	
CURE	6 X 6		core butt stack		no gap	



L=8"

SPEC. NO. 929

Winding	SEC	PR1				
Turns	2500T	240T				
Taps	—	—				
Wind. Lgth.	7/8	7/8				
Wire Size	40	#30				
T.P.L.	190					
Kind Term.	Sil Br	Sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	1/16"					
Wrapper	2L005BA	2L005GA				
TUBE	4L007		IMPREGNATION		WAX	
CURE	1.6 X .6					



929

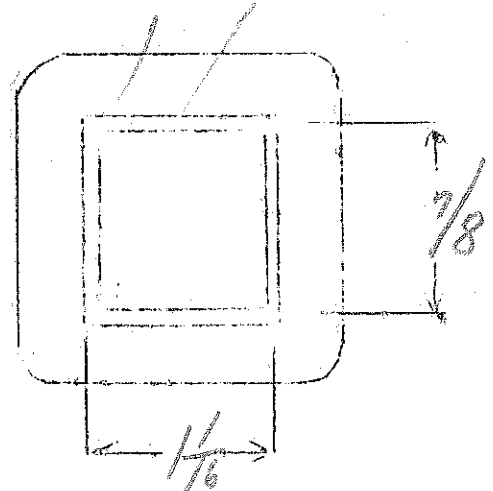
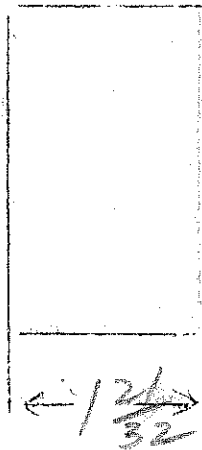
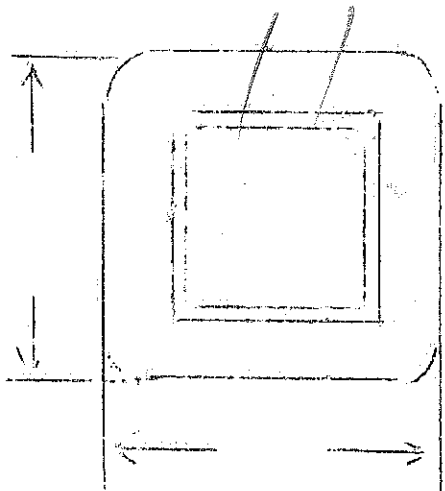
walton

6⁰⁰ Jist

output 236 to 165 VC

SPEC. NO. 929

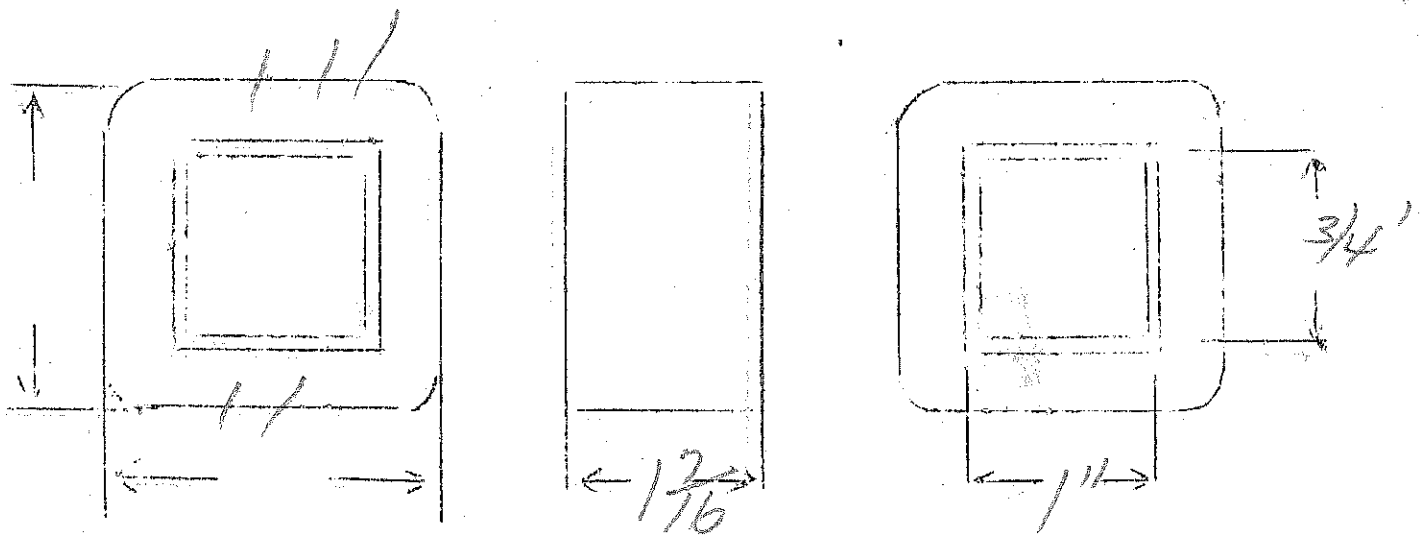
Winding	PRI	SEC				
Turns	4600	258				
Taps	—	—				
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂				
Wire Size	#35	#21				
T.P.L.	180-26	7 layers				
Kind Term.	#30 Pbr	wire				
Term. Lgth.	9"	9"				
Layer Insul.	30#	GA				
Wrapper	2L007C	3L0050A				
TUBE	7L007		IMPREGNATION		VARNISH	
CURE	1 ¹ / ₁₆ X 7 ¹ / ₈		BUTT STACK - GAP = .005"			



PR plates to 500 r-line
8000 r

SPEC. NO. 931

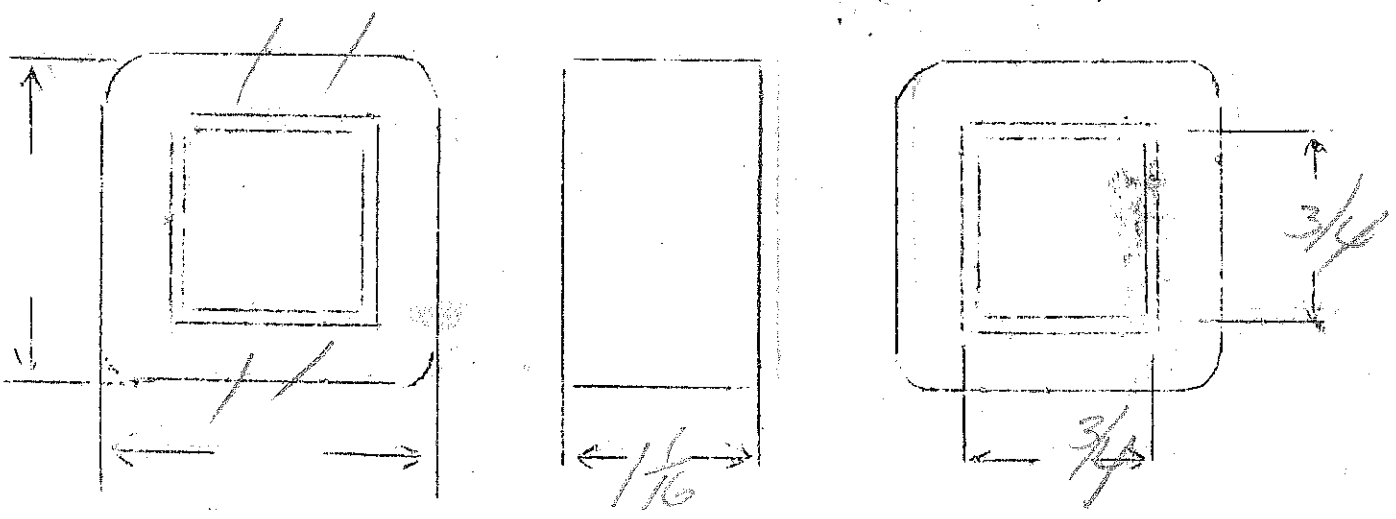
Winding	PRI	SEC					
Turns	4400	1100					
Taps	2200	—					
Wind. Lgth.	125	125					
Wire Size	#35	#29					
T.P.L.	185-24	93-12					
Kind Term.	AlBr	AlBr					
Term. Lgth.	6"	6"					
Layer Insul.	30#	30#					
Wrapper	1L007VC	2L005CA					
TUBE	4L007		IMPREGNATION		VARNISH		
CURE	1 X 3/4 NW						



2000 on to grid (pickup)

SPEC. NO. 932

Winding	PR1	SEC					
Turns	8400	1180					
Taps	—	—					
Wind. Lgth.	$\frac{15}{16}$	$\frac{15}{16}$					
Wire Size	40	#31					
T.P.L.	236-36	90-12					
Kind Term.	sil Br	sil Br					
Term. Lgth.	3"	3"					
Layer Insul.	16 #	30 #					
Wrapper	16007DE	26005SA					
TUBE	92007		IMPREGNATION				
CURE	3/4 x 3/4						



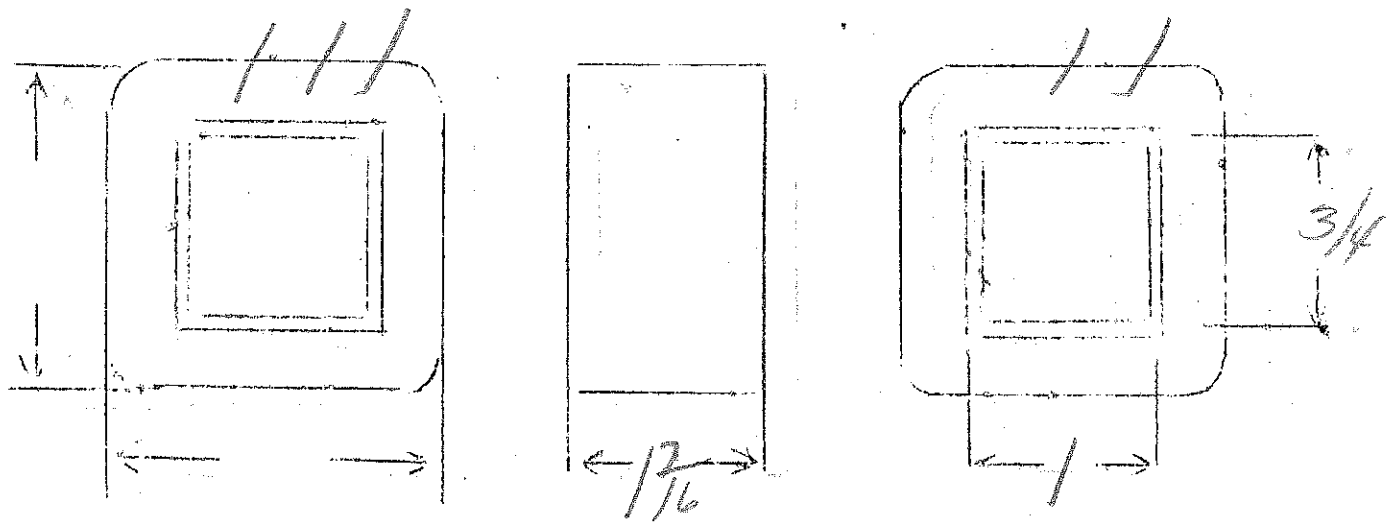
PENILEX

SPEC. NO. 934

Winding	PRI	SEC				
Turns	5000	80				
Taps	2500	—				
Wind. Lgth.	1.25	1.25				
Wire Size	#35	#18				
T.P.L.	180-28	27-3				
Kind Term.	oil Br	wire				
Term. Lgth.	3"	3"				
Layer Insul.	30#	005				
Wrapper	2L0056A	2L0056A				

TUBE | 7L009 | IMPREGNATION | VARNISH

CURE | 1X34 AUDIO 295 2X2



13
9
5
2.5

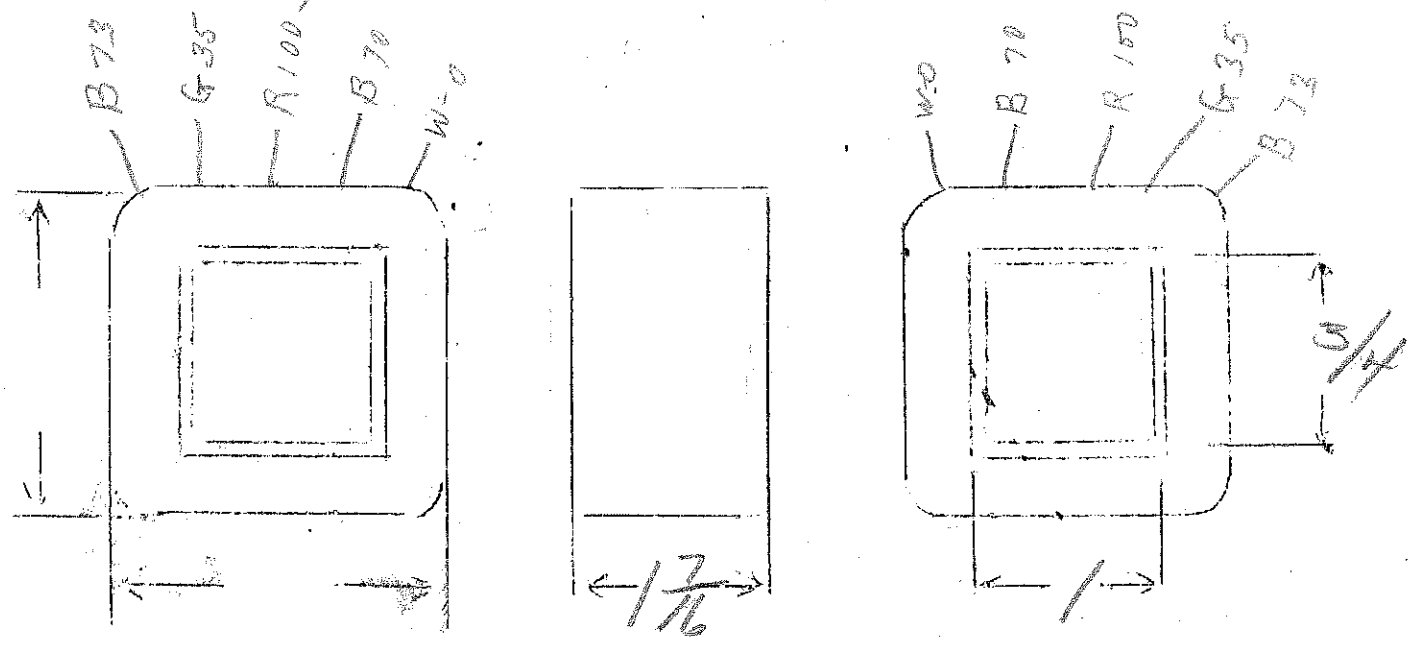
- same

SPEC. NO. 936

Winding	Continuum		Continuum				
Turns	100	73	100	73			
Taps	70	35	70	35			
Wind. Lgth.	1.25						
Wire Size	19	21	19	21			
T.P.L.	-	-	-	-			
Kind Term.		wire					
Term. Lgth.		9"					
Layer Insul.		GA					
Wrapper		2L005GA		2L005GA			

TUBE 4L007 IMPREGNATION

CURE 1X 3/4 NW 298 2X2



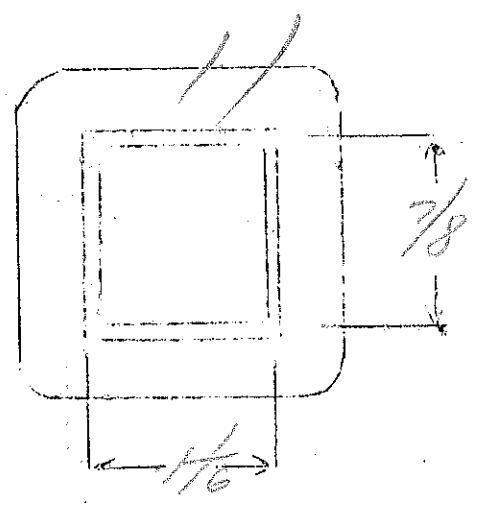
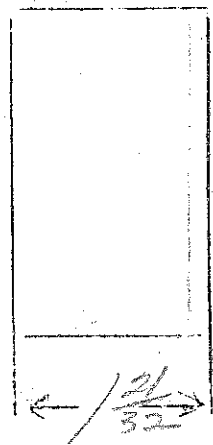
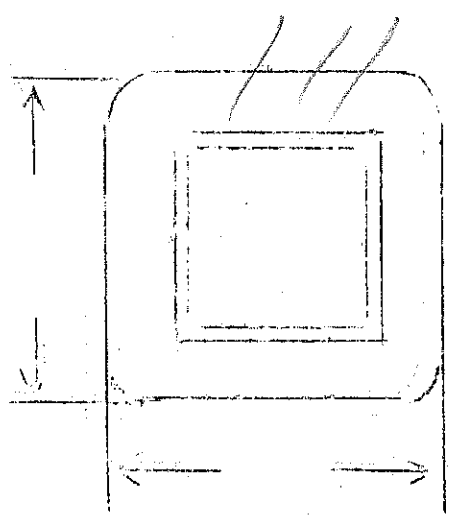
WINDING

PP. 2B6 to 16 Ω VE

10,000 Ω CT. to 16 Ω

SPEC. NO. 937

Winding	PRI	SEC					
Turns	6400	256					
Taps	3200	—					
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$					
Wire Size	#35	#21					
T.P.L.	206-32	2 layers					
Kind Term.	#20 enamel	wire					
Term. Lgth.	9"	9"					
Layer Insul.	30#						
Wrapper	2007VE 2005BA	2005BA					
TUBE	71,007		IMPREGNATION	VARNISH			
CURE	$1\frac{1}{16} \times \frac{7}{8}$ "	2X2					

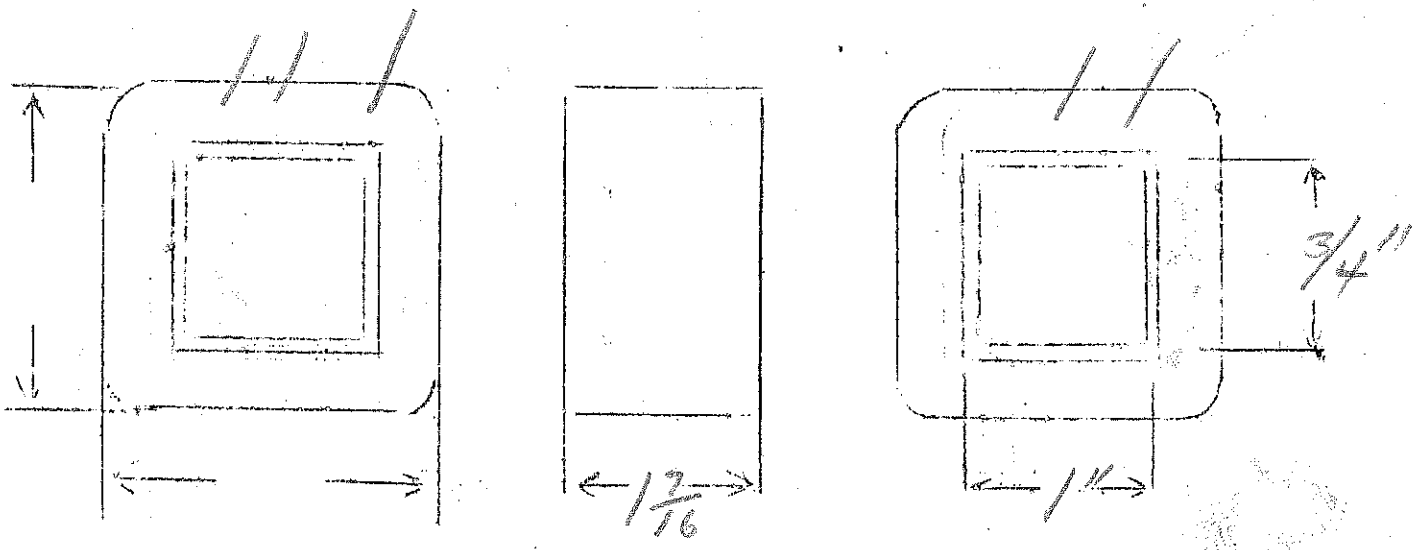


Input - 1-6A6 class A to 1-6A6 class B
 input side - plates tied together

turn ratio $\frac{P_{in}}{P_{out}} = 5$

SPEC. NO. 938

Winding	P	S				
Turns	10000	4000				
Taps	—	2000				
Wind. Lgth.	1.25					
Wire Size	#37	#37				
T.P.L.	230-4	230-18				
Kind Term.	#20 PVC					
Term. Lgth.	9"	9"				
Layer Insul.	30 #	30 #				
Wrapper	2007VC	2005BA				
TUBE	7L007		IMPREGNATION	VARNISH		
CURE	1X3/4	29 @	2X2	audio Board		



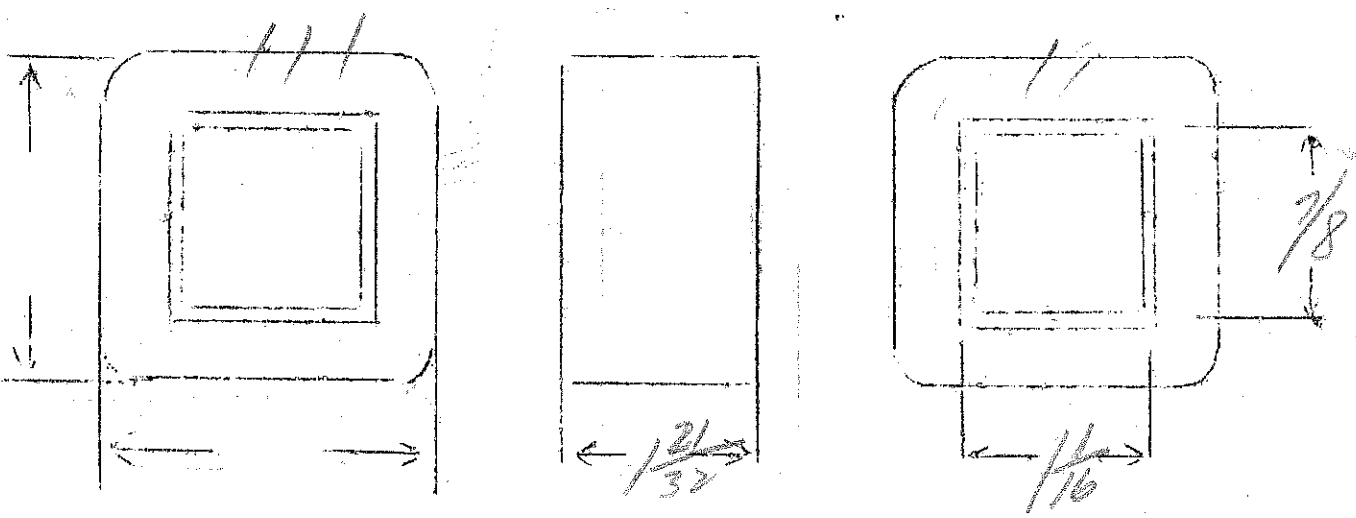
Output - 1-6A6 class B to 2000 ω sec.

10000 \sim P1-P4

Ratio = $\sqrt{\frac{10000}{2000}} = \sqrt{5} = 2.24$

SPEC. NO. 939

Winding	PRI	SEC				
Turns	6000	5000				
Taps	3000	—				
Wind. Lgth.	1 ¹¹ / ₃₂	1 ¹¹ / ₃₂				
Wire Size	#33	#35				
T.P.L.	170-36	210-24				
Kind Term.	#20 P100	#20 P100				
Term. Lgth.	9"	9"				
Layer Insul.	30#	30#				
Wrapper	21007W	210050A				
TUBE	7L007		IMPREGNATION	VARNISH		
CURE	1/16 x 7/8 - 2x2 block					



Audio - Class B Input

Old Stock

OLD

30 or 19 to 19, 30, 49

Volt. Ratio: 1:22/1

SPEC. NO. D-941

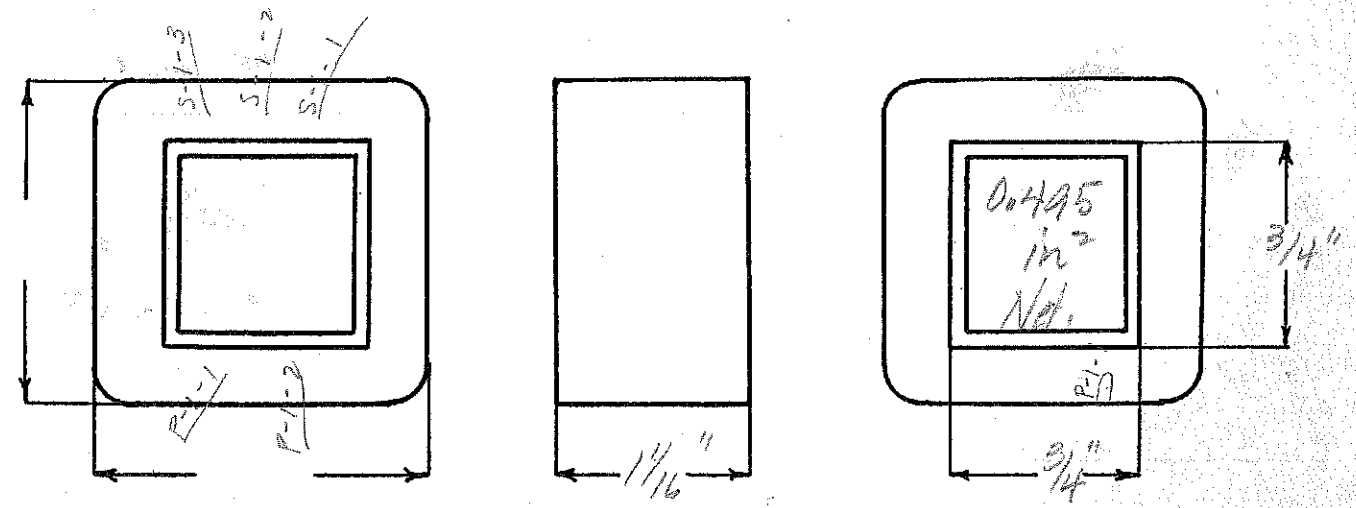
Winding		Pri	Sec			
Turns		3900	3200			
Taps		—	1600			
Wind. Lgth.		7/8"	7/8"			
Wire Size		#37	#37			
T. P. L.		160-256	160-204			
Finish <i>Pitch</i>		90%	90%			
Type Lead		Sil. Br.	Sil. Br.			
Lead Lgth.		3"	3"			
Layer Insul.		1L 16#6	1L 16#6			
Test Volt.		1250				
Wrapper		1L 007 VC	2L 005 GA			

TUBE 5L-007 GK IMPREGNATION Double Varnish

CORE 3/4 x 3/4 Ex T GA. 29 GRADE B STACK 2x2

MOUNTING "D" - Lug Mark Lug

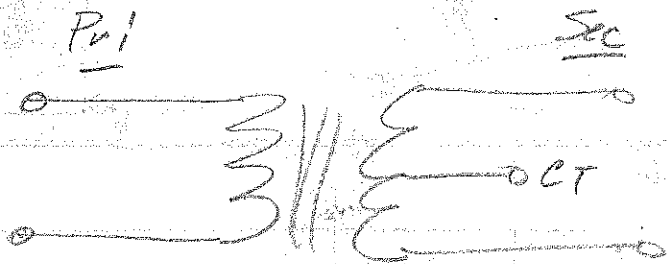
Wire Net = 0.283" (0.252")
 TPV = 48.8 (30V on Pri)
 FC = 18.6 @ 50w



DESIGNED BY NHR

DATE 2-10-42

over



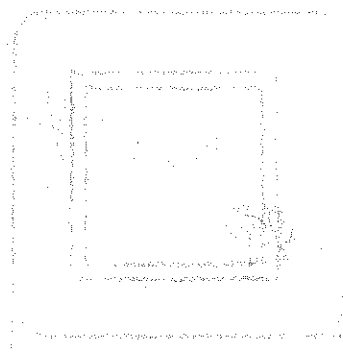
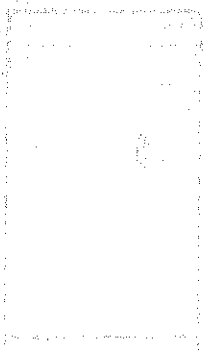
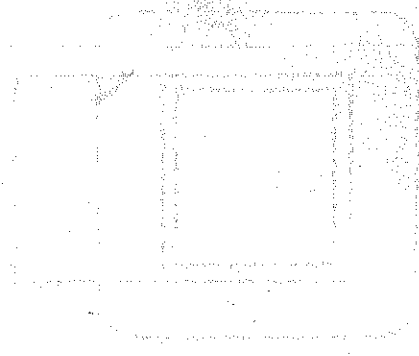
$$T = 3900 - 3200$$

$$T_R = 1.22 - 1$$

$$Z_R = 1049 - 1$$

$$Z = 10,000 - 6700$$

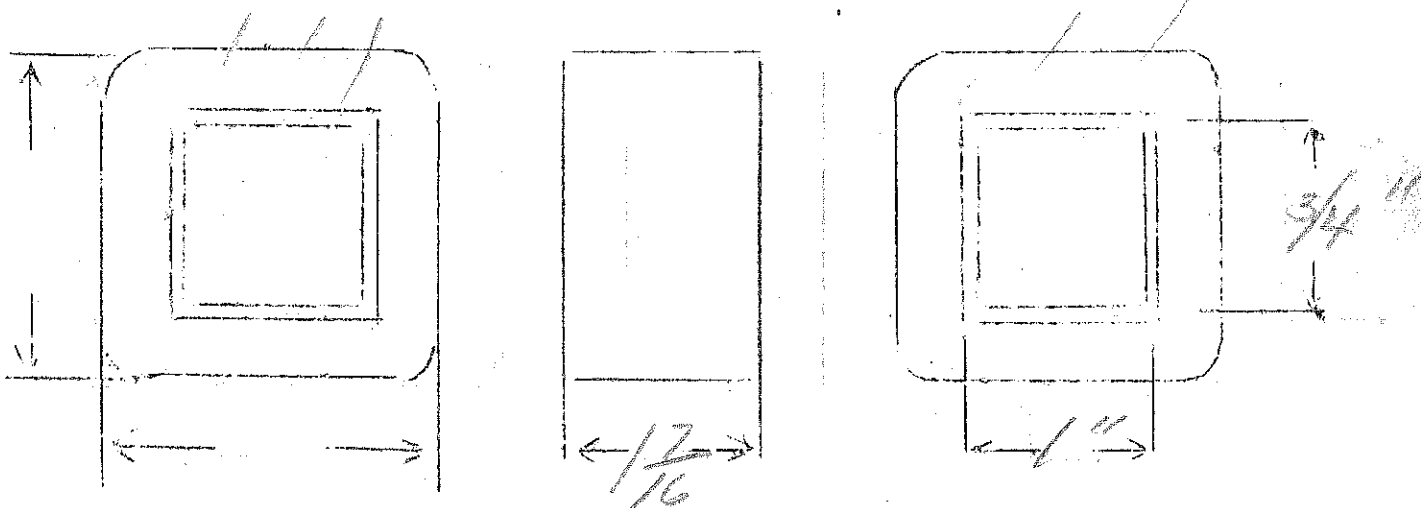
$$Z = 20,000 - 13,430.$$



8000 r.p.p. to 30 r.p.p.
pri to carry 37Ma

SPEC. NO. 943

Winding	PRI	SEC					
Turns	7500	460					
Taps	3750	—					
Wind. Lgth.	125	125					
Wire Size	36	25					
T.P.L.	210-36	58-8					
Kind Term.	#50 Parand						
Term. Lgth.	9"	9"					
Layer Insul.	20#	30#					
Wrapper	12007VC	260056A					
TUBE	42009		IMPREGNATION			VARNISH	
CURE	1x3/4 NW		2x2-29 ga				



Radio television

PP parallel 45 A'

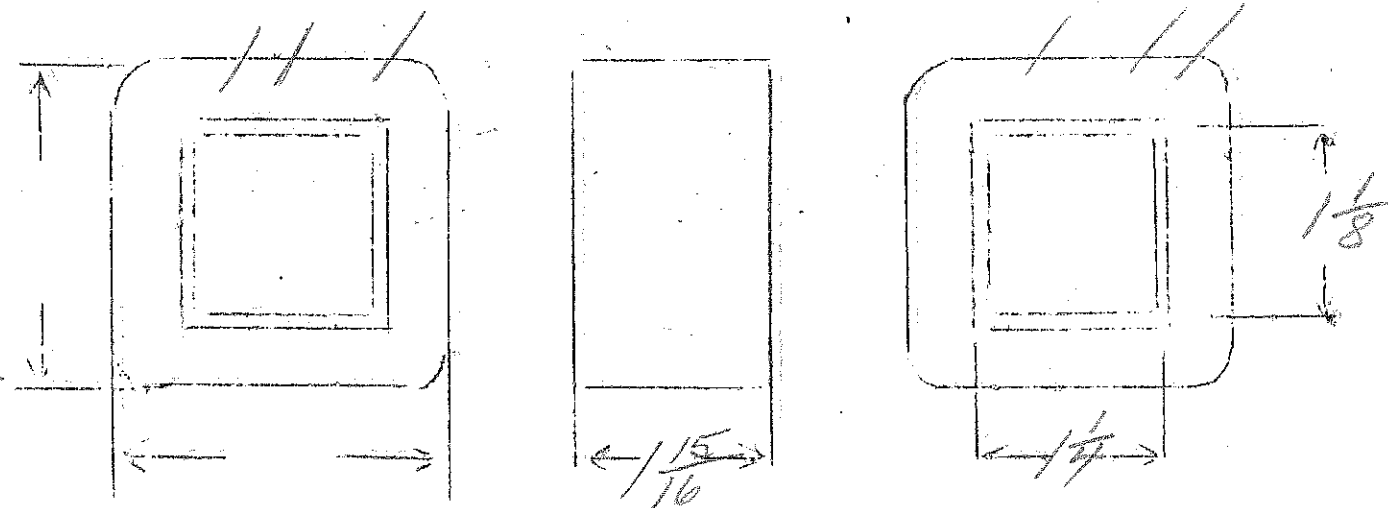
to 3500 - 5000 ω (modulator)

1750 Lpi

SPEC. NO. 944

Winding	PRI	SEC					
Turns	3000	5050					
Taps	1500	4220					
Wind. Lgth.	1.75	1.75					
Wire Size	#31	#30					
T.P.L.	168-18	146-36					
Kind Term.	#20 PBR	#20 PBR					
Term. Lgth.	9"	9"					
Layer Insul.	20 #	20 #					
Wrapper	12007VC						

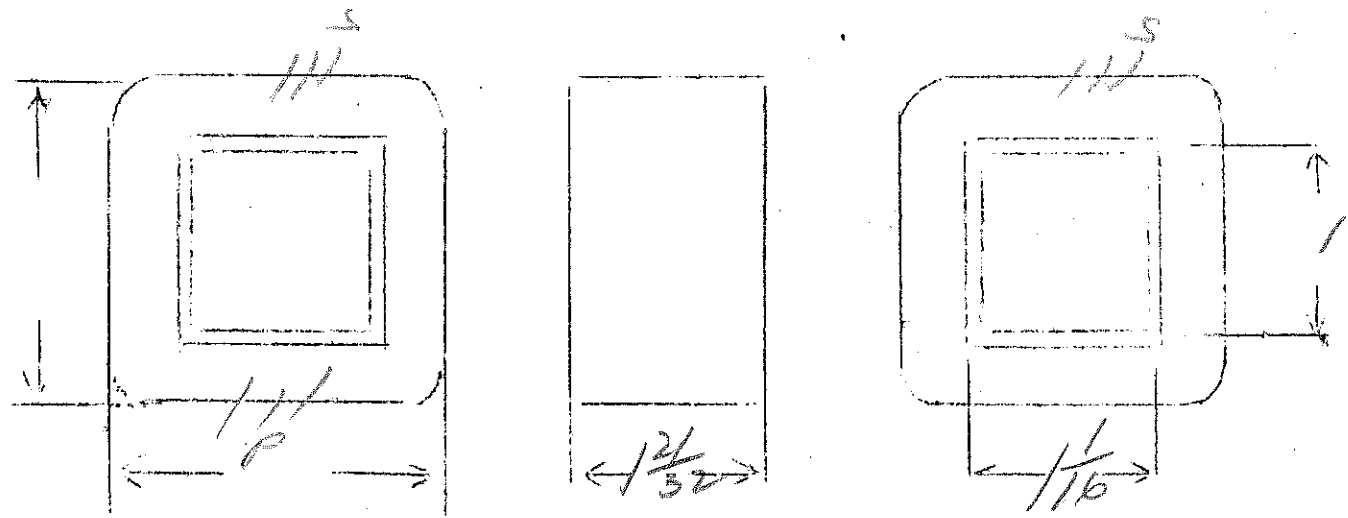
TUBE | 12007 | IMPREGNATION | VARNISH
 CURE | 1 1/4 x 1/8 - Butt Stack - .020" GAP



Class A output to 15-75.5-3.5-1.5 μ V.C.
 (243) (13.3-98-8-67-44)

SPEC. NO. 950

Winding	P	Continuous					
Turns	5000	148	70	88			
Taps	2500	96	30				
Wind. Lgth.	$\frac{115}{32}$	$\frac{115}{32}$					
Wire Size	#34	#19	#21	#23			
T.P.L.	180-D						
Kind Term.	al Br	wo.					
Term. Lgth.	5"	5"	5"	5"			
Layer Insul.	30#						
Wrapper	W05 GA			5100500			
TUBE	7L009	IMPREGNATION			VARNISH		
CURE	1/16 x 1	2x2	B Grade				



TRANSCEIVER INPUT

STOCK

Single Button Mike Plate
to
Single Grid

SPEC. NO. D951

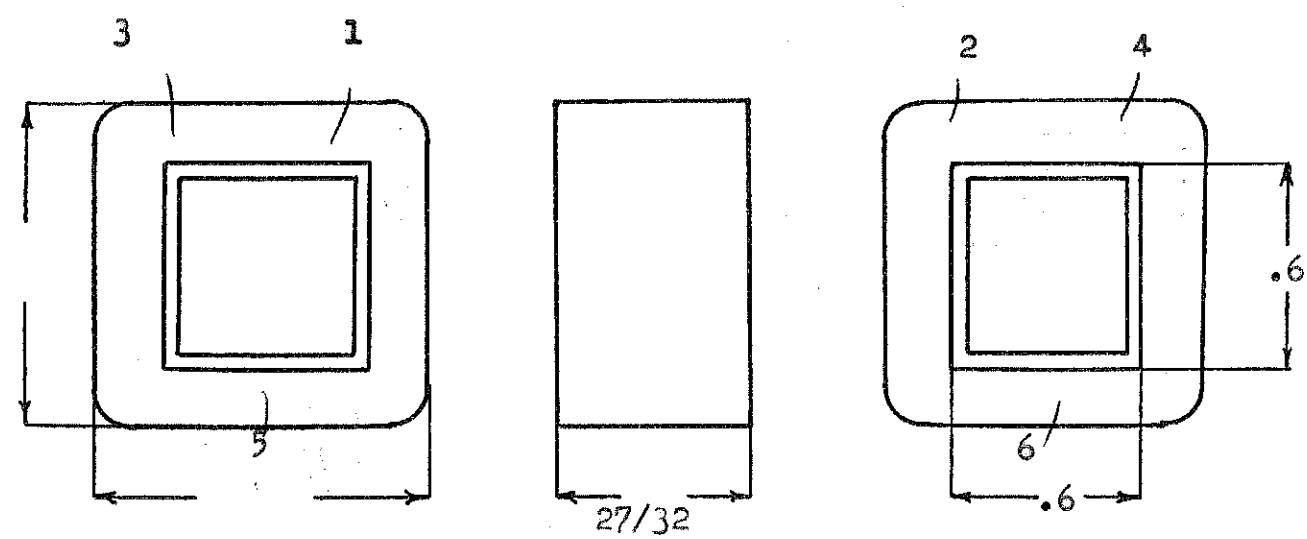
Winding	1-2 Pri. #1		3-4 Sec.		5-6 Pri. #2		
Turns	2000		4900		230		
Taps	---		---		---		
Wind. Lgth.	11/16		11/16		11/16		
Wire Size	#40		#40		#33		
T. P. L.	182-11L		182-27L		77-3L		
Finish	90%		90%		86%		
Type Lead	Silver Braid		Silver Braid		Silver Braid		
Lead Lgth.	3"		3"		3"		
Layer Insul.	16#		16#		16#		
Test Volt.	1250		1250		1250		
	.047		.116		.026		
Wrapper	1L005VC		1L005VC		1L005GA		

TUBE	5L007GK	IMPREGNATION	Varnish
------	---------	--------------	---------

CORE .6 x .6 GA. 29 GRADE B STACK Butt no gap

MOUNTING D - Lugs Leads.

T. P. V. -
Window - $.249 / .297 = 84\%$



DESIGNED BY
F.B.

DATE

DESIGN AND TEST DATA

Rating: T - 4900 -2000 -230
 Tr - 21.3 -8.7 -1
 Zr - 454 -75.7 -1
 Z - 45,400 -7570 -100

Winding	Pri. #1	Sec.	Pri. #2
Mean Turn	2.83	3.47	4.03
Resistance 25° c	504	1510	16.9
Pounds Copper	.0145	.0434	.012
Copper Density	---	---	---
Ratio Volts	49	110	5.17
Test to Ground	1250	1250	1250

Iron Induction _____ @ _____ Cycles

Exciting Current _____ amperes @ _____ volts 60 cycles on _____

Induced Test: Apply _____ Volts at _____ Cycles _____ on _____ with _____ grounded

Remarks:

Pri. #1 120 volts
 Pri. #2 11 volts
 Sec. 230 volts
 Ix 70 Ma.

Transceiver Input

Single Button Mike &
Single Plate to Single Grid

SPEC. NO. D-951

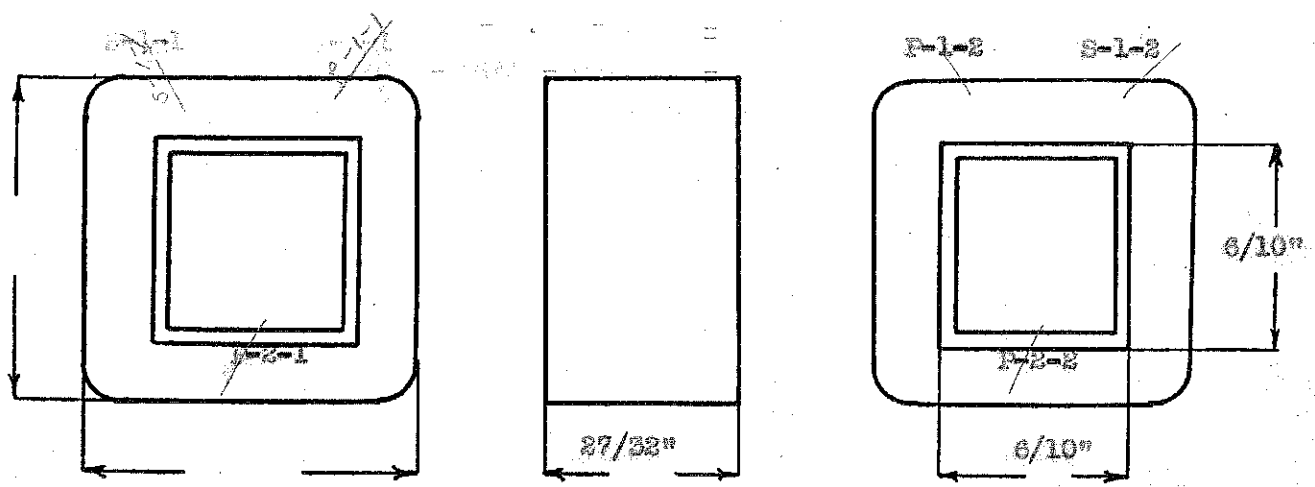
Winding	Pri. #1	Sec.	Pri. #2	Sec.
Turns	2000	4900	230	
Taps	-	-	-	
Wind. Lgth.	11/16"	11/16"	11/16" = 0.6875"	
Wire Size	#40	#40	#33	
T. P. L.	182 - 11L	182 - 27L	77 - 3L	
Finish Pitch	90%	90%	86%	
Type Lead	Sil. Br.	Sil. Br.	Sil. Br.	
Lead Lgth.	3"	3"	3"	
Layer Insul.	1L 16/G	1L 16/G	1L 20/G	
Test Volt.				
Wrapper	1L .005" VG	1L .005" VG	2L .005" GA	

TUBE	4L - .007" GK	IMPREGNATION	DOUBLE VARNISH
------	---------------	--------------	----------------

CORE 6/10" x 6/10" E & GA. 29 GRADE D - Annealed STACK Butt - .005" Gap

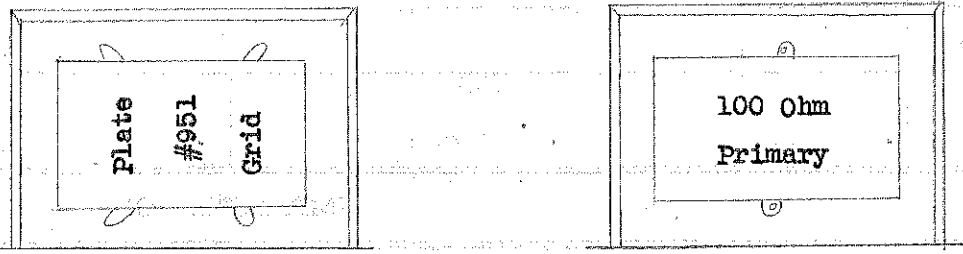
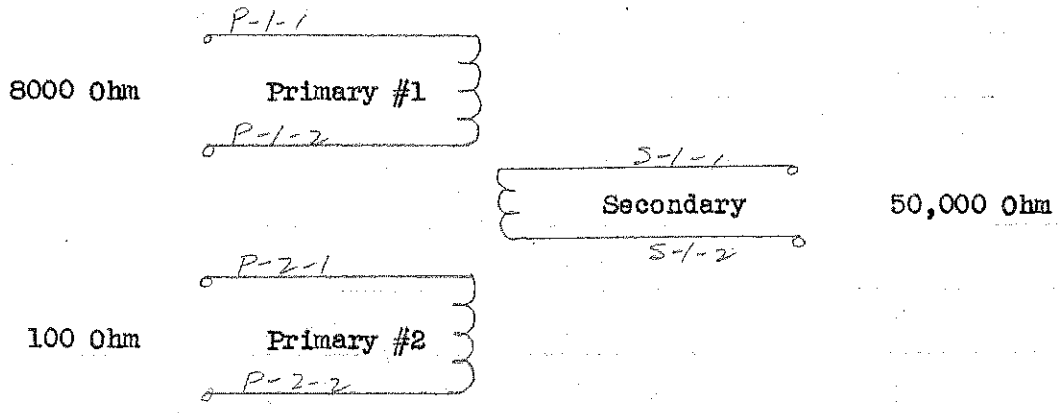
MOUNTING "D" - Lugs Only

Wire Net = 0.207" (0.188")



DESIGNED BY HNS

DATE 12 - 9 - 41



NOTE: Mark coils per above before placing in varnish.

- T = 4900 - 2000 - 230
- T_R = 21.3 - 8.7 - 1
- Z_R = 454 - 75.7 - 1
- Z = 45.400 - 7570 - 100

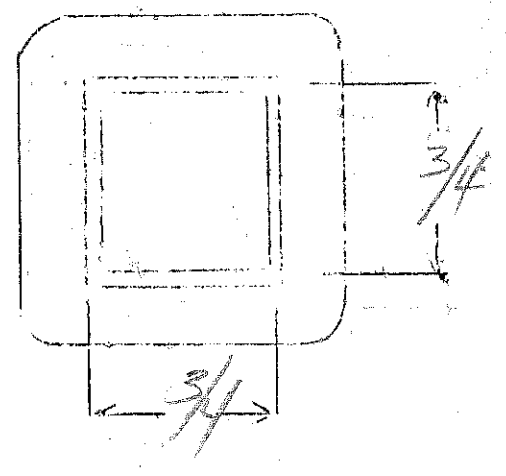
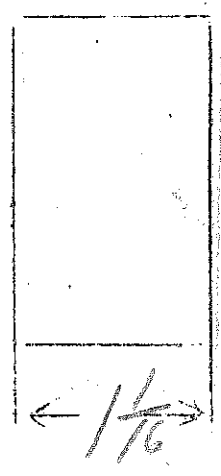
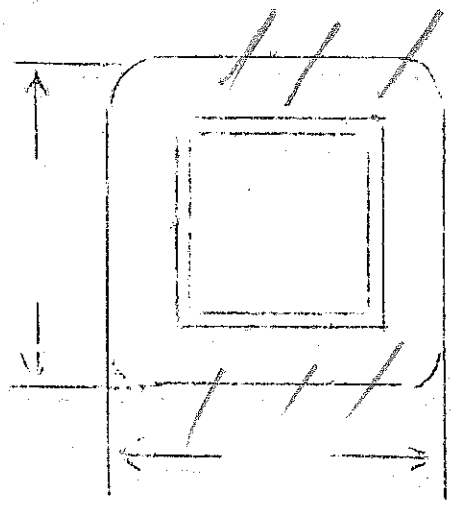
(see 902) class B output

#125

10,000 - 19,79, 53 pt to 3500 - 5000 a modulator

SPEC. NO. 953

Winding	PRI	SEC				
Turns	2400	1700				
Taps	1200	1430				
Wind. Lgth.	7/8	7/8				
Wire Size	#35	#33				
T.P.L.	134-18	107-16				
Kind Term.	sil Braid					
Term. Lgth.	3"	3"				
Layer Insul.	20#	20#				
Wrapper	2007VC	210056A				
TUBE	7L007	IMPREGNATION	VARNISH & WAX			
CURE	3/4 x 3/4 NW	1.005" gap	296B grade			



2A3 output to 1r and 4r VC

5000 ~

961

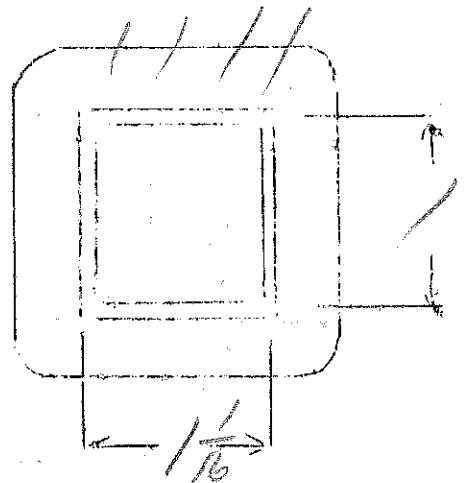
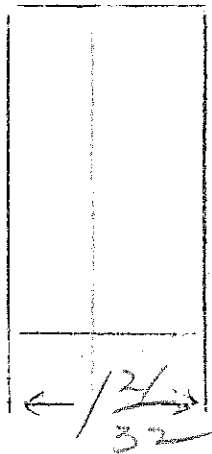
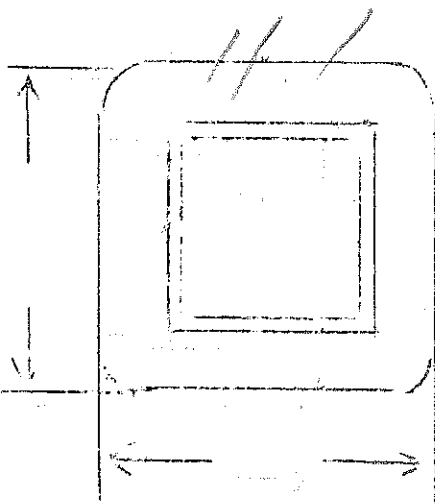
2.4k

3.8k

SPEC. NO.

961

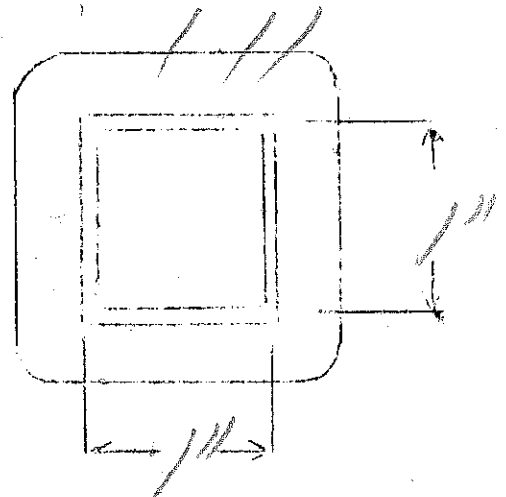
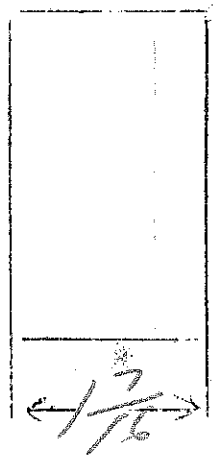
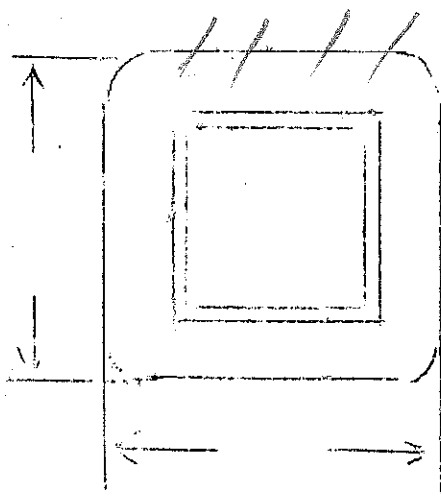
Winding	P	S ₁	S ₂				
Turns	5000	140	70				
Taps	2500	—	—				
Wind. Lgth.	$\frac{15}{32}$	—	—				
Wire Size	#34	#20	#18				
T.P.L.	180-28	47-3	35-2				
Kind Term.	all r	wire	wire				
Term. Lgth.	5"	5"	5"				
Layer Insul.	30*						
Wrapper	2L0056A	2L0056A					
TUBE	7L007	IMPREGNATION		VARNISH			
CURE	1 1/2 x 1	2x2 stack					



PP. 2A5 to 2-200 r lines
450 flat

SPEC. NO. 961

Winding	PRI	SEC	SEC				
Turns	6000	720	720				
Taps	3000	-	-				
Wind. Lgth.	1.25	1.25	1.25				
Wire Size	#36	#29	#29				
T.P.L.	207-30	91-8	91-8				
Kind Term.	#20 PER	#20 PER	#20 PER				
Term. Lgth.	9"	9"	9"				
Layer Insul.	30#	50#	50#				
Wrapper	2L007VC	1L007VC	2L005GA				
TUBE	7L007	IMPREGNATION		VARNISH			
CURE	1X1NW	295 2x2					

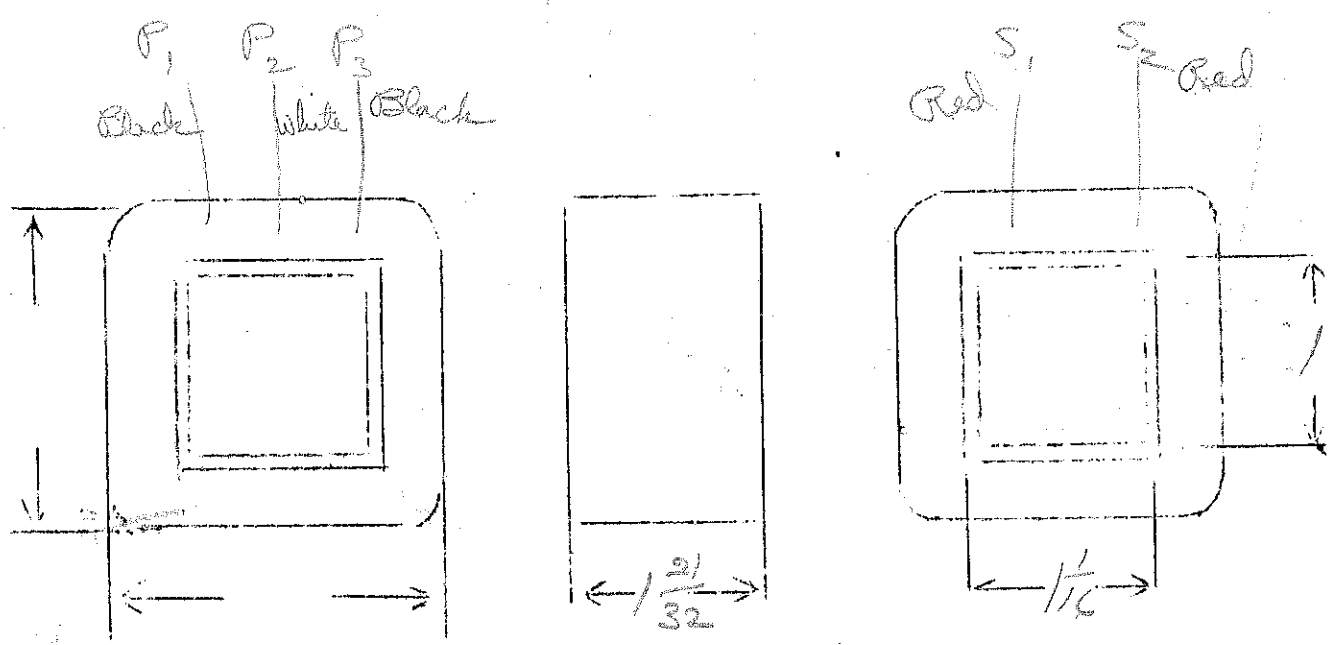


PP 2A3 (4000 Ω) to 4 ohm voice coil,
 up 33 DB. cont.

SPEC. NO. 962

Net ^{wt} 1.75

Winding	PR1	SEC				
Turns	6000	190				
Taps	3000	—				
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$				
Wire Size	*34	*18				
T.P.L.	180-28	32-6				
Kind Term.	Paper	Wire				
Term. Lgth.	9"	9"				
Layer Insul.	30*	GA				
Wrapper	2L005GA	2L005GA				
TUBE	17L-007		IMPREGNATION		Varnish	
CURE	$1\frac{1}{16} \times 1$	2×2	Grade A-			



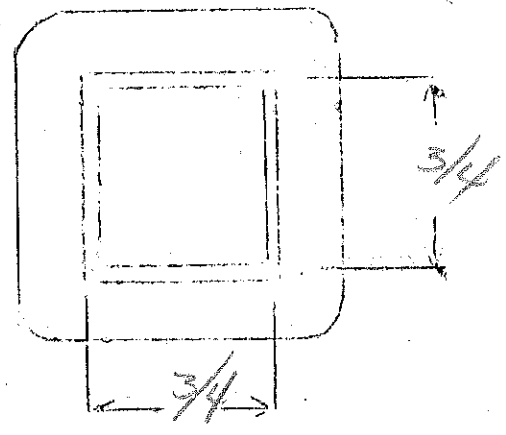
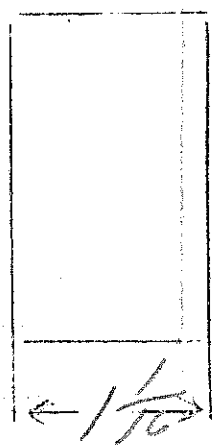
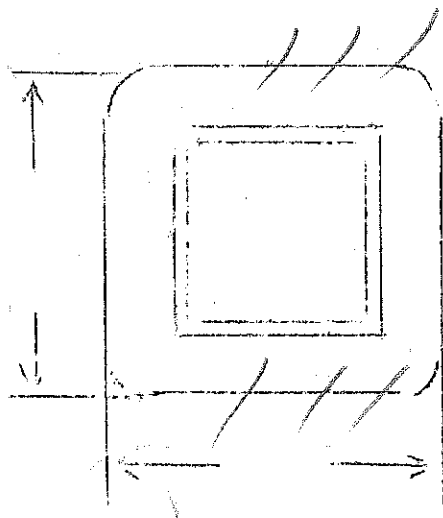
BEHR

50 a line to grid

970

SPEC. NO. 970

Winding	PRI	SEC					
Turns	8400	181					
Taps	—	—					
Wind. Lgth.	$\frac{15}{16}$	$\frac{15}{16}$					
Wire Size	#40	#25					
T.P.L.	236-36	46-4					
Kind Term.	sil Br	wire					
Term. Lgth.	3"	3"					
Layer Insul.	16#	30#					
Wrapper	1007VC	20050A					
TUBE	4L007		IMPREGNATION		VARNISH		
CURE	$\frac{3}{4} \times \frac{3}{4}$ "		2X2		WAX		

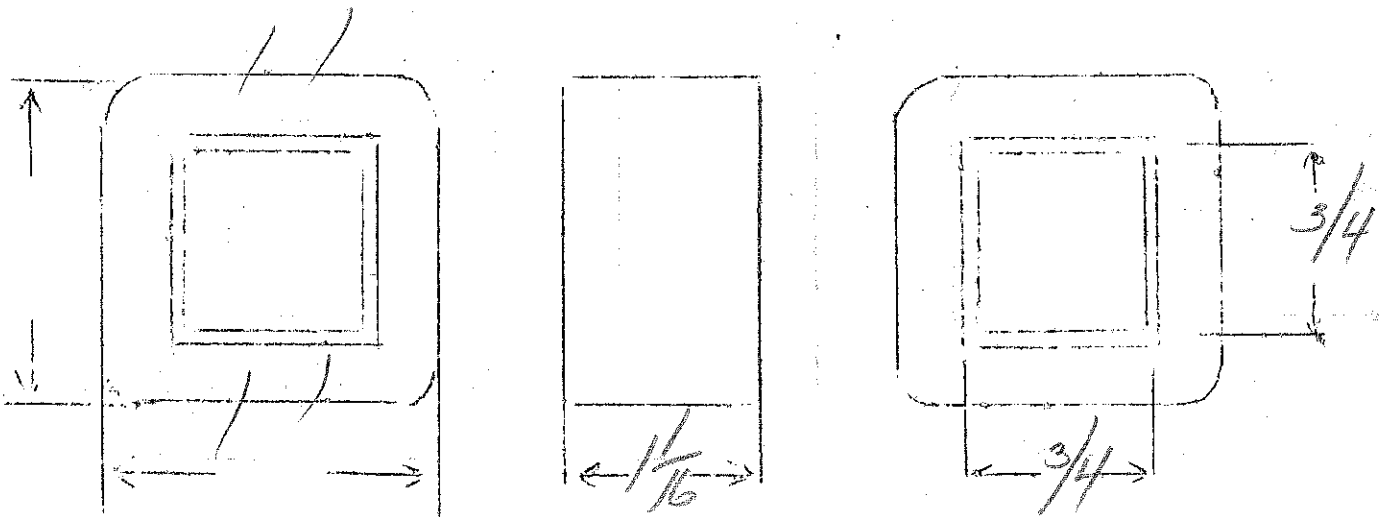


Radio Insulation

20,000 Ω - 2000 Ω

SPEC. NO. 973

Winding	PRI	SEC				
Turns	4000	1280				
Taps	-					
Wind. Lgth.	7/8	7/8				
Wire Size	#36	#33				
T.P.L.	145-28	95-144				
Kind Term.	sil Br	sil Br				
Term. Lgth.	3"	3"				
Layer Insul.	20	20				
Wrapper	12007K	20056A				
TUBE	4L007		IMPREGNATION		V * WAX	
CURE	3/4 X 3/4		Butt no gap.			



single 55 plate (tride) to single 56

made in winding

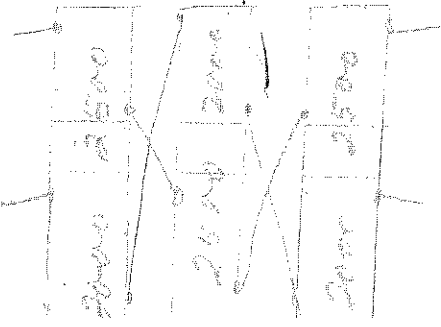
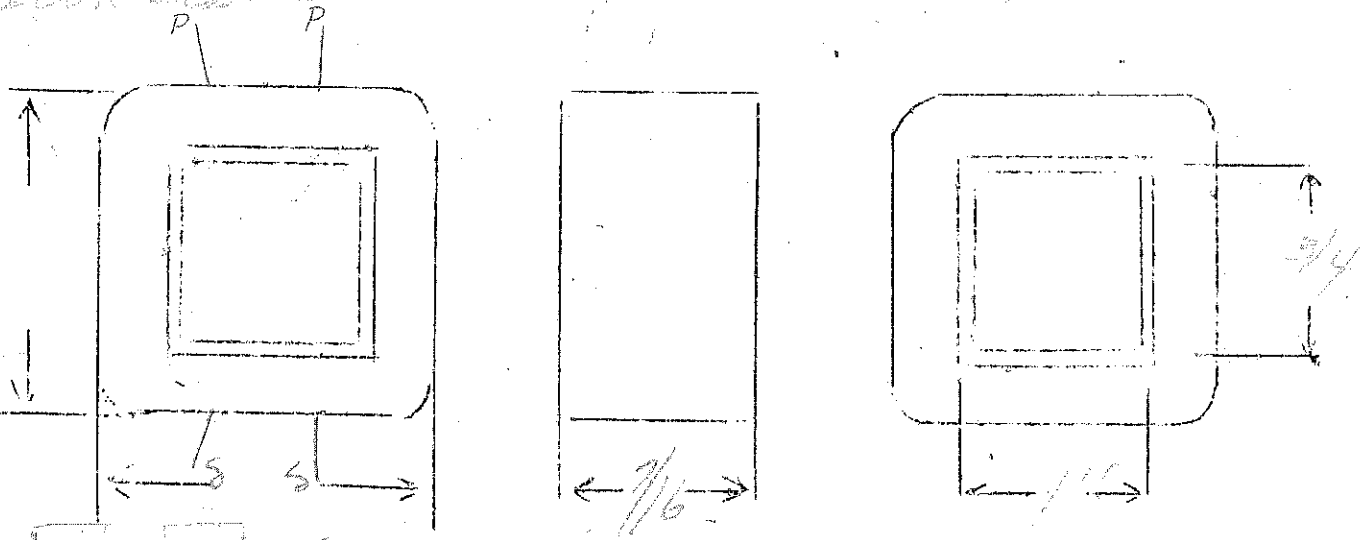


$$\frac{1/2}{1/4} = 1/4$$

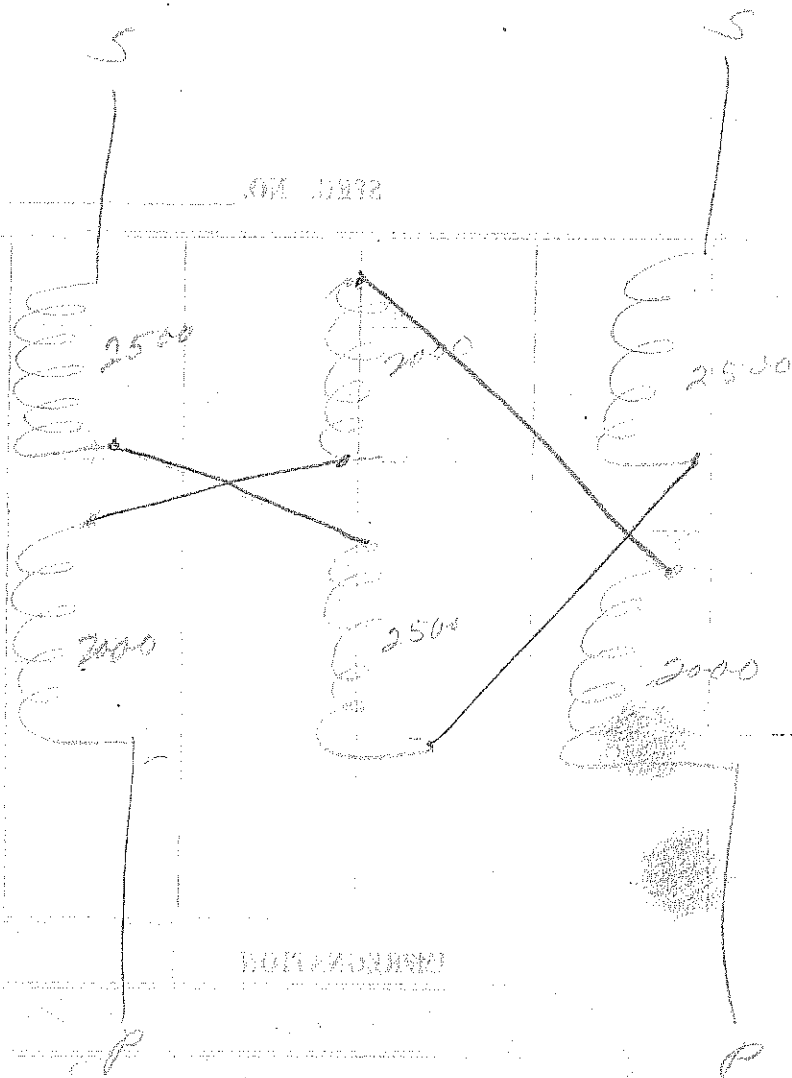
SPEC. NO. 974

Winding								
Turns	4500							
Taps	2000-2500							
Wind. Lgth.	5/16							
Wire Size	#38							
T.P.L.	65-70							
Kind Term.	SILVER							
Term. Lgth.	6"							
Layer Insul.	20#							
Wrapper	2L0050A							
TUBE	3L007	IMPREGNATION			WAT			
CURE	1X3/4	295 High grade audio - 1X1 stack						

electrostatic shield between windings



In winding put 3L003 V Paper at both taps. In pulling, pull from ends at 2000 v. p. w. hold 2 eye outside coils reverse assembly (over)



#1 #2 #3
 A B C

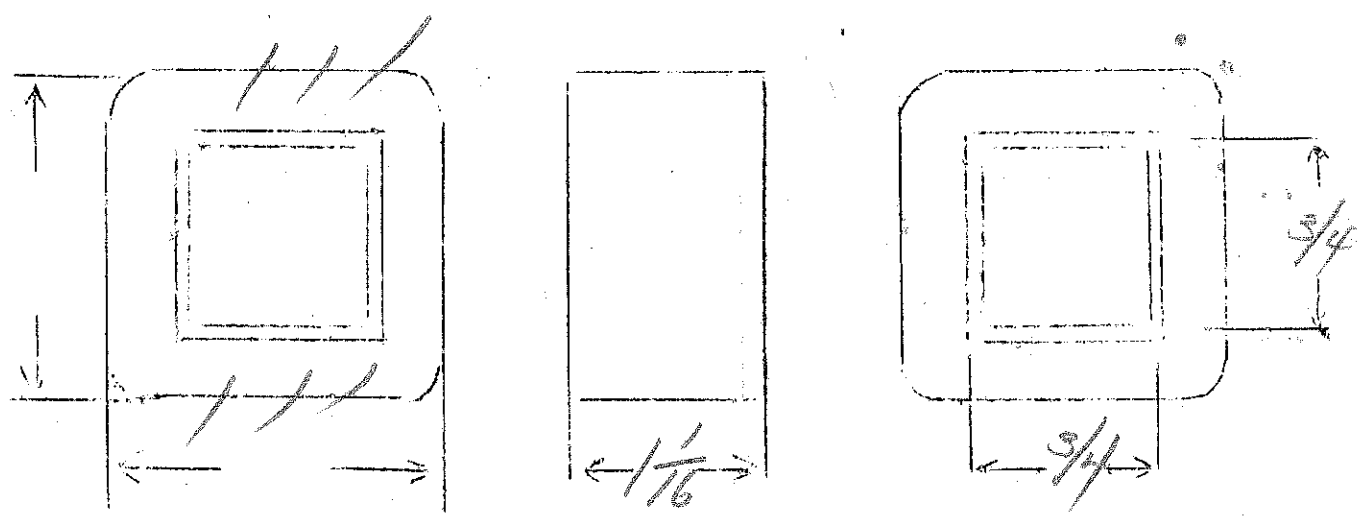
Short Leads - Starts
 Long Leads - Finish

reverse #3

PAT P.P. 76 to pp 2A3

SPEC. NO. 975

Winding	PRI	SEC					
Turns	6000	6000					
Taps	3000	3000					
Wind. Lgth.	7/8	7/8					
Wire Size	#39	#39					
T.P.L.	232	232					
Kind Term.	sil braid						
Term. Lgth.	3"	3"					
Layer Insul.	16#	16#					
Wrapper	51003VP 210056A						
TUBE	71007		IMPREGNATION		WAX		
CURE	3/4 x 1"		2x2 stack				



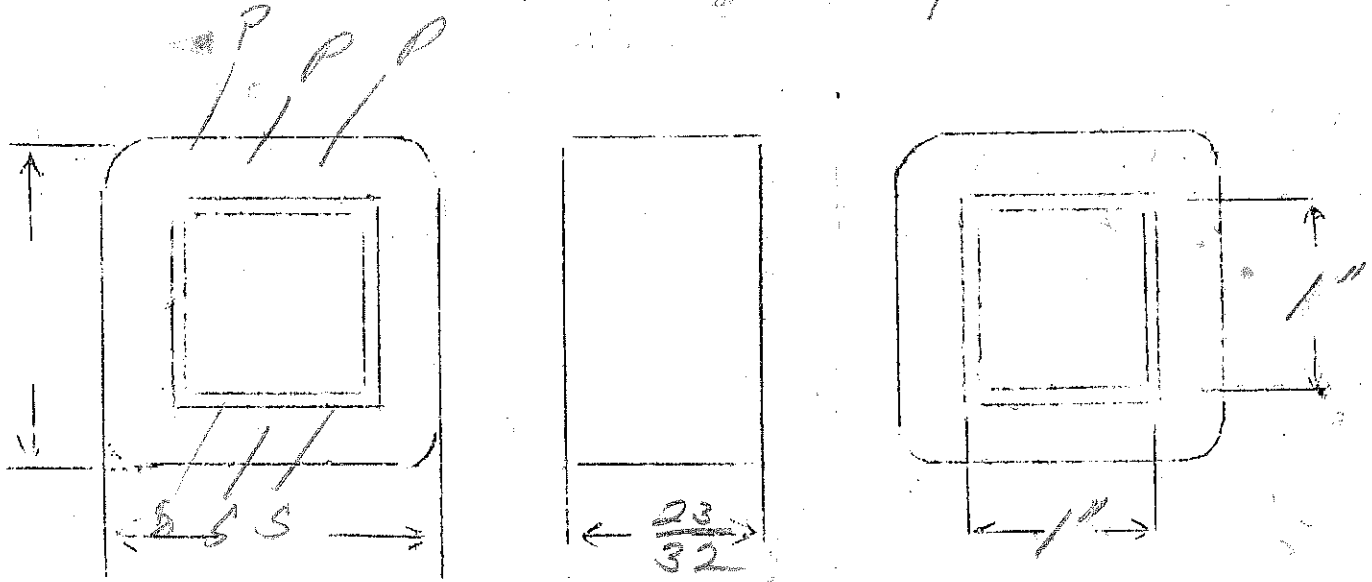
1.25 to 1 ratio each side

119DB

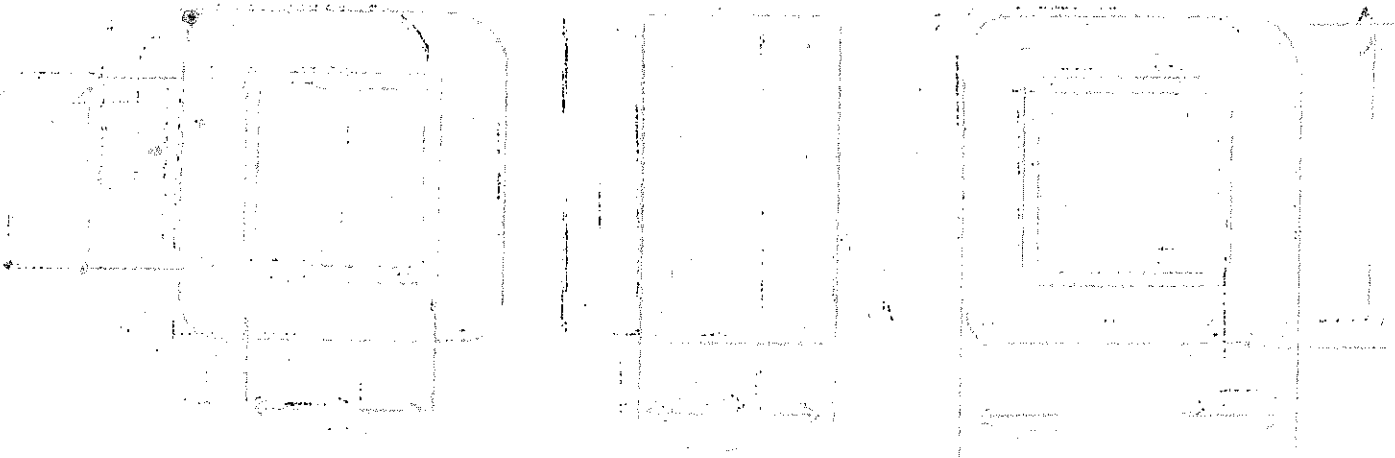
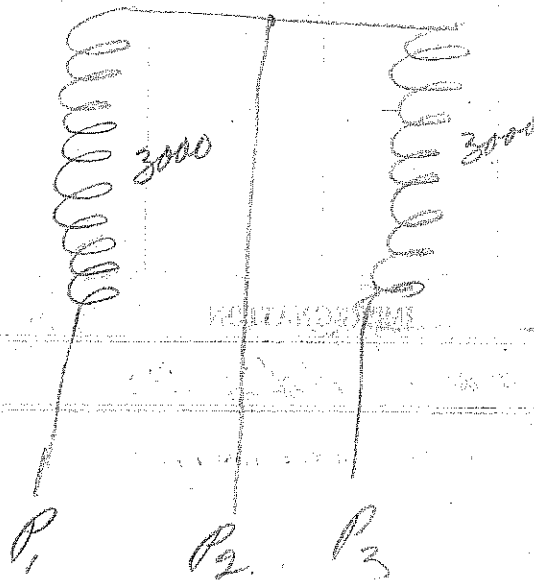
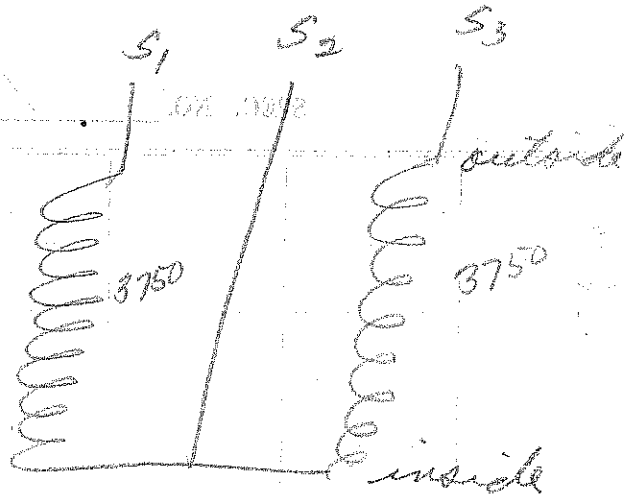
SPEC. NO. 976

Winding	PR1	SEC				
Turns	3000	3750				
Taps	—	—				
Wind. Lgth.	1/2	1/2				
Wire Size	#37	#39				
T.P.L.	88-34	110-34				
Kind Term.	oil Brand					
Term. Lgth.	6"	6"				
Layer Insul.	20#	20#				
Wrapper	360-37P shield 1100-1P	21056A				
TUBE	72007	IMPREGNATION	WAX			
CURE	1X / NW 290 H.O. audio 2x2					

reverse assembly



over

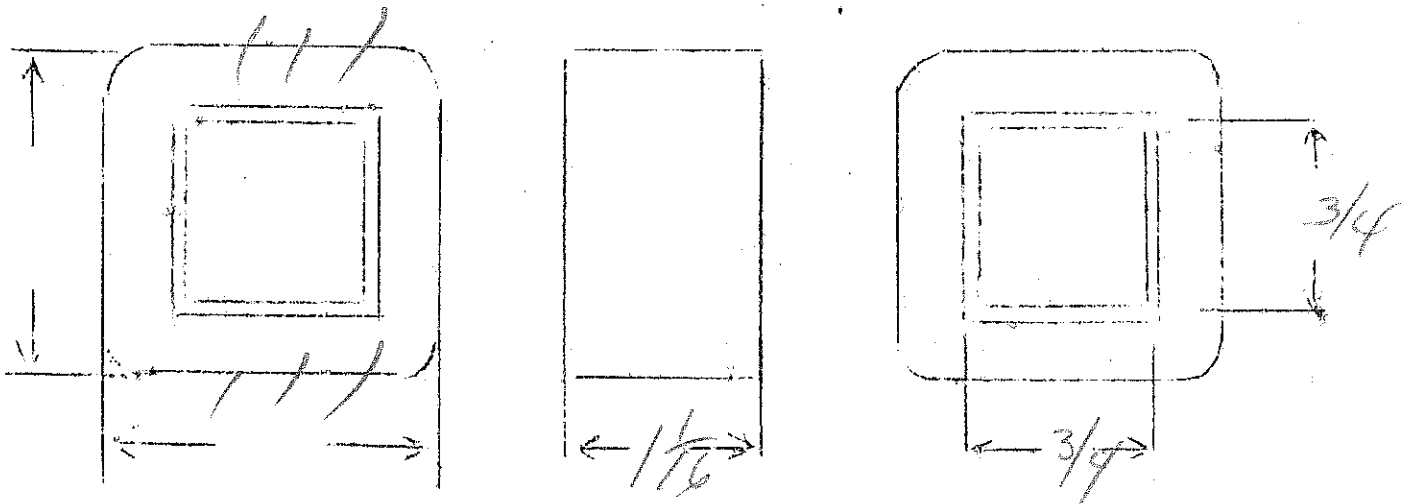


winding
 turns
 tap
 winding
 wire size
 2.5.7
 kind form
 tap lead
 layer count
 voltage
 3000
 3000

PP 76 to PP 2A3
 overall ratio 1 to 3/4

SPEC. NO. 977

Winding	PRI	SEC					
Turns	6000	4500					
Taps	3000	2250					
Wind. Lgth.	7/8	7/8					
Wire Size	38	38					
T.P.L.	172	172					
Kind Term.	oil brand						
Term. Lgth.	3	3					
Layer Insul.	16#						
Wrapper	51003VP	210050A					
TUBE	72007		IMPREGNATION		wax		
CURE	3/4 x 3/4		290 audiob				



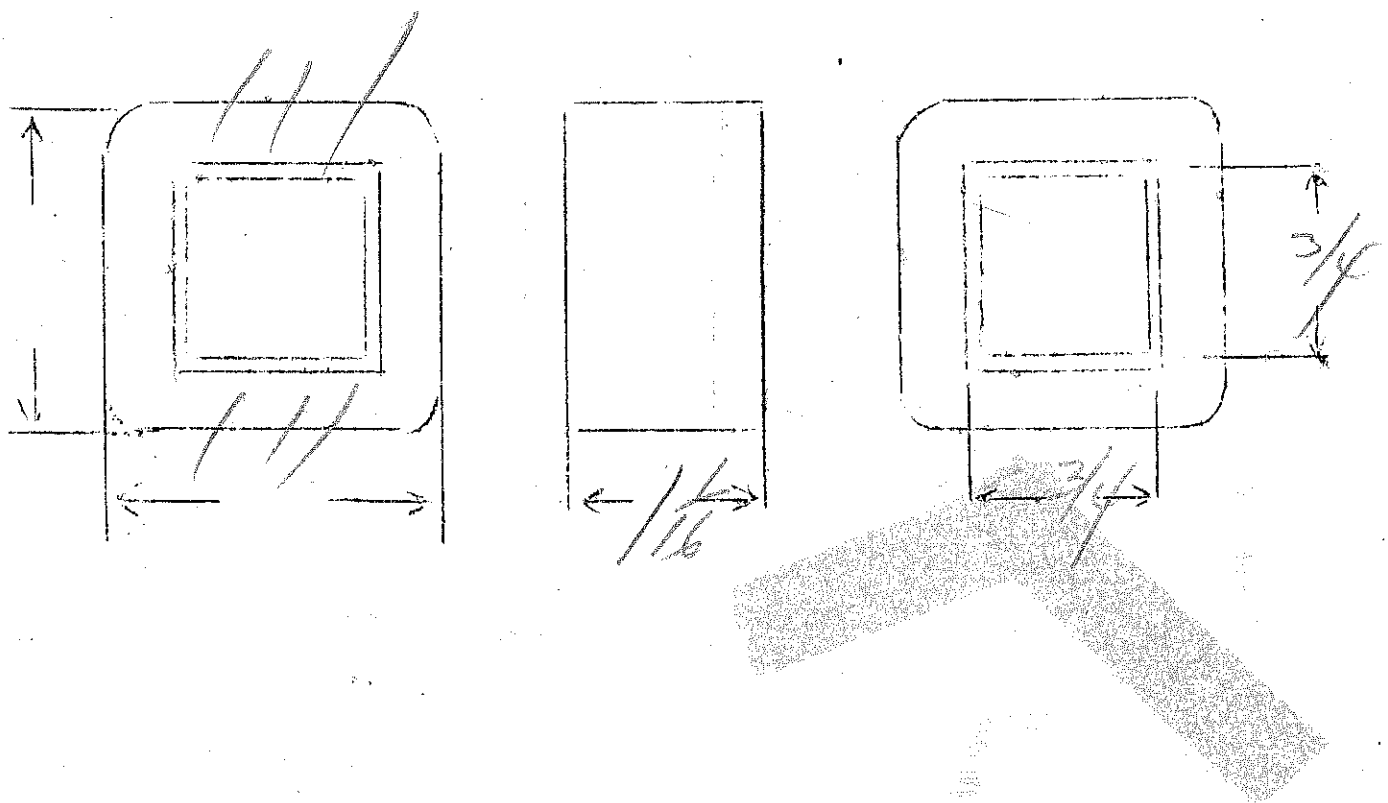
PAT.

PP 76 to P42A3

overall ratio 1 to $\frac{1}{3}$

SPEC. NO. 978

Winding	PRI	SEC					
Turns	6000	3000		1			
Taps	3000	1500					
Wind. Lgth.	$\frac{7}{8}$	$\frac{7}{8}$					
Wire Size	#38	#38					
T.P.L.	172	172					
Kind Term.	sil	br					
Term. Lgth.	3	3					
Layer Insul.	16#	16#					
Wrapper	5L003VP	2L0050A					
TUBE	72007			IMPREGNATION		WAX	
CURE	$\frac{3}{4} \times \frac{3}{4}$	2×2		290		and in B	



PATTERSON

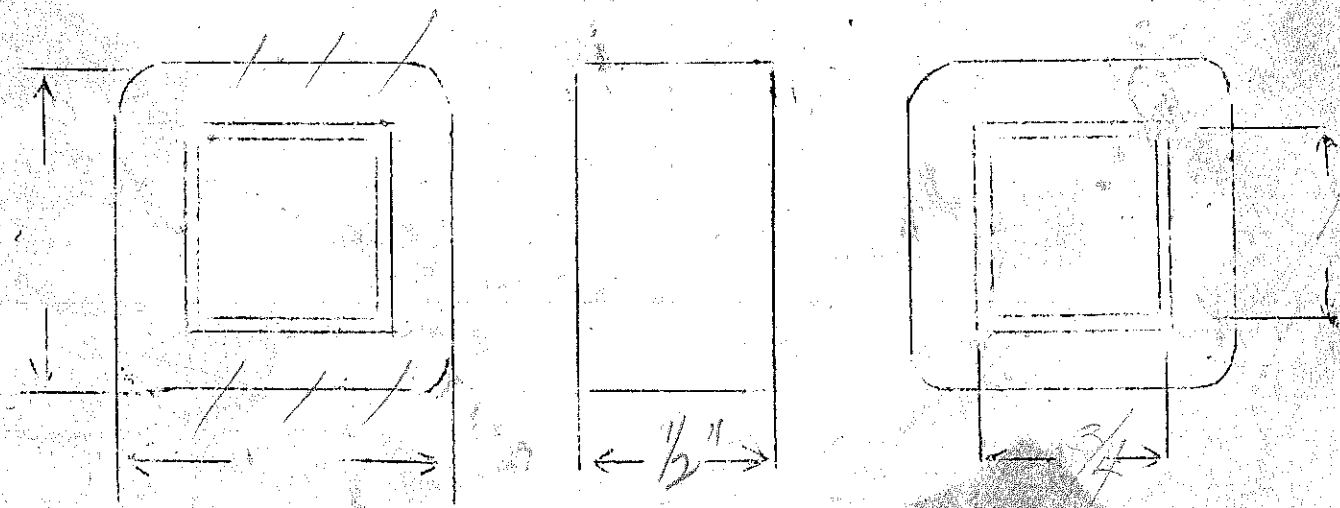
PP 76 to PP 2A3 class A

SPEC. NO. 981

Winding	SEC	PRI				
Turns	1900	3200				
Taps	—	—				
Wind. Lgth.	3/8	3/8				
Wire Size	39F	39F				
T.P.L.	88-22	88-36				
Kind Term.	al br	al br				
Term. Lgth.	3"	3"				
Layer Insul.	12#61	12#61				
Wrapper	4003VP	210056A				

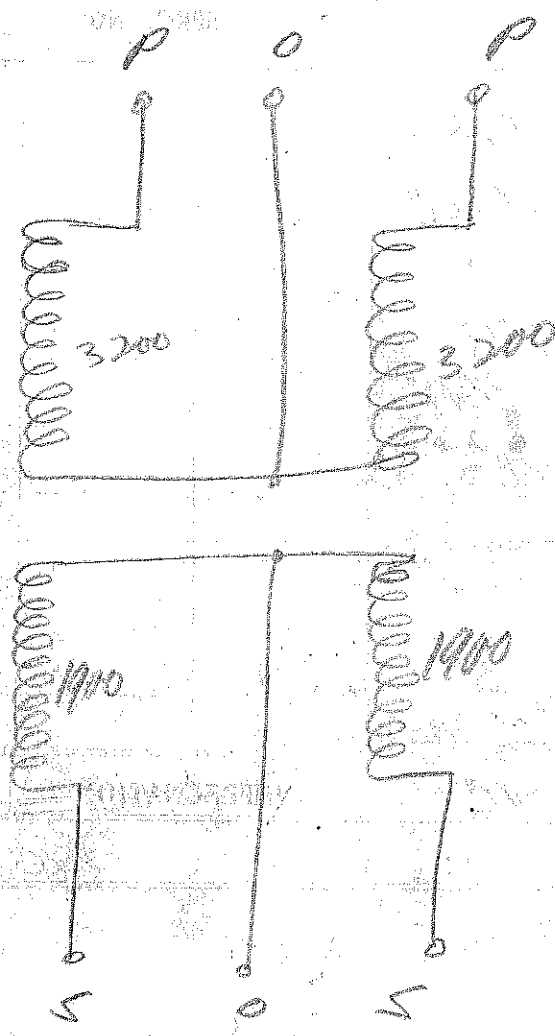
TUBE 72007 + 1003VP IMPREGNATION VARNISH + WAX

CURE 3/4 X 1" HG 'A' AUDIO 29G 2 X 2"



Comet Leads 1950A

REVERSE ASSEMBLY



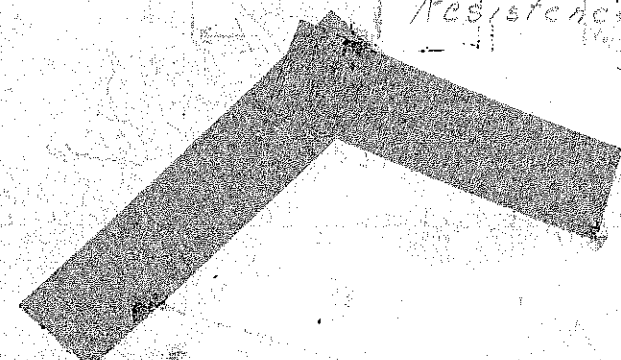
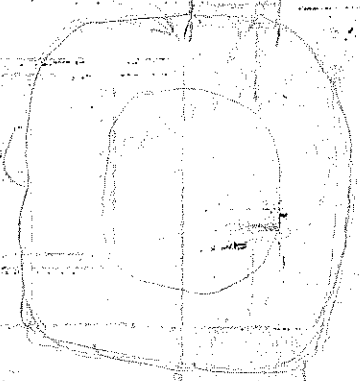
Shield SF Sg

Sec. Finishes one lead
 center tap
 Pri. Starts one lead

Resistance Test

Sec 700 - 0 - 700
 1400

Pri 1375 - 0 - 1375
 2500



PATTERSON

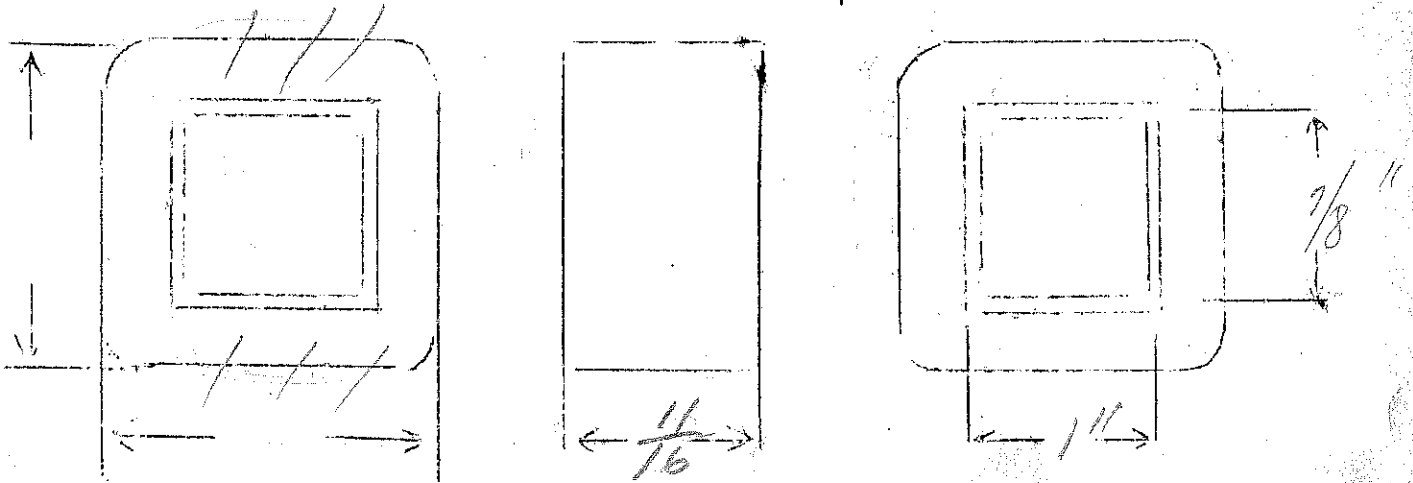
pp 76 to pp RA3 class A

$$\text{Ratio } \frac{P}{S} = \frac{3}{2}$$

SPEC. NO. 982

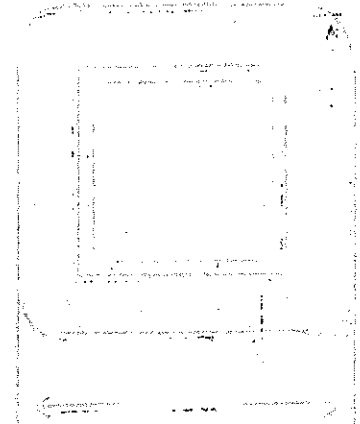
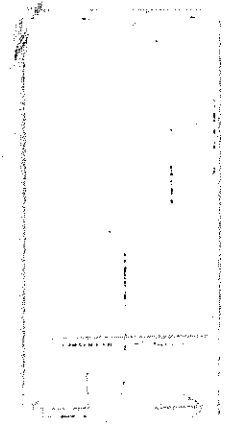
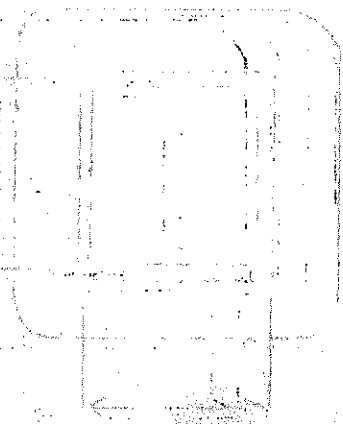
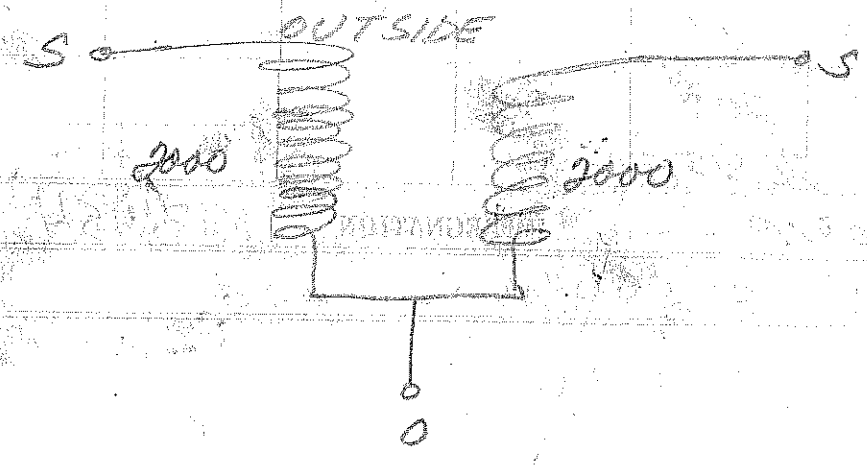
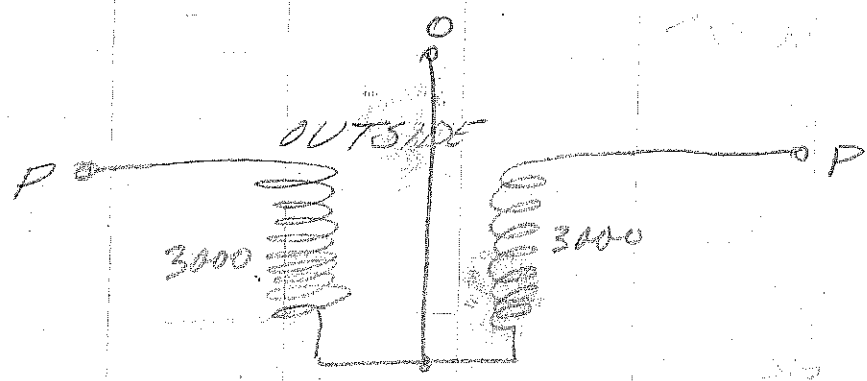
Winding	SEC	PRI				
Turns	2000	3000				
Taps	—	—				
Wind. Lgth.	1/2"	1/2"				
Wire Size	#38	#38				
T.P.L.	100-20	100-30				
Kind Term.	#20 PR2	#20 PER				
Term. Lgth.	9"	9"				
Layer Insul.	80#	20#				
Wrapper	6L003VP	2L005GA				
TUBE	7L007 + 2L003VP		IMPREGNATION	VARNISH		
CURE	1 X 7/8 NW 2 X 2		"A" AUDIO	296		

OVER



place shield in saddle where sec leads are placed over pri

OR 1784



Reference: P.P. 6A6 Class A to 2-42.

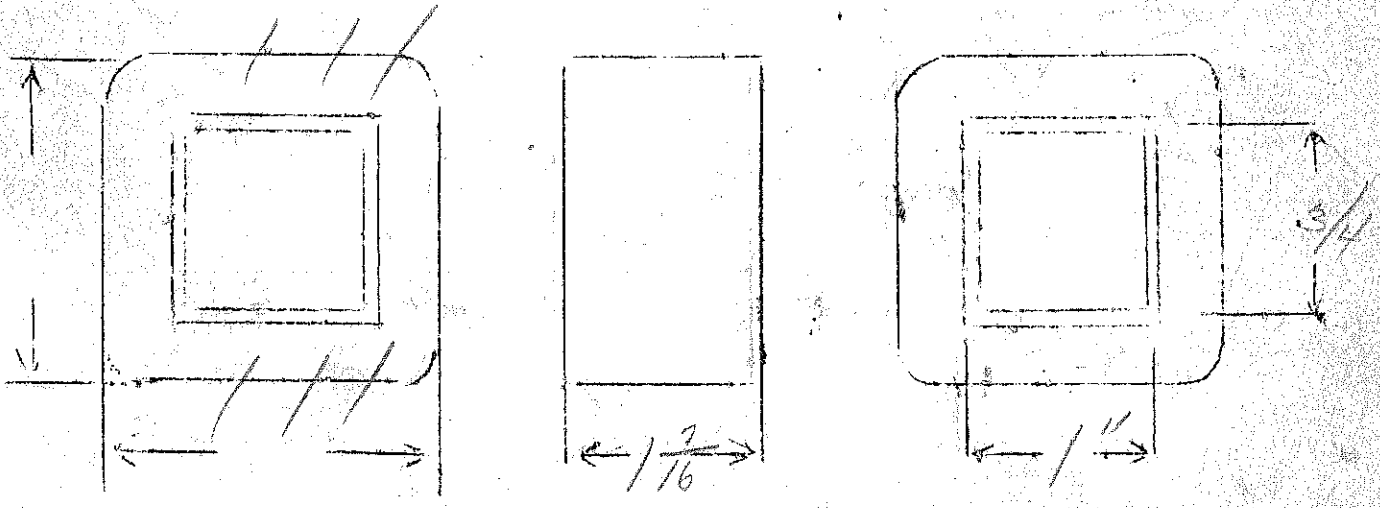
high imped (40,000) pri P.P. to grids

1 1/4 - 1

SPEC. NO. 983 AUDIO

Winding	SEC	PRI				
Turns	14,400	11,300				
Taps	7,200	5,650				
Wind. Lgth.	1.25	1.25				
Wire Size	#39	#39				
T.P.L.	300-48	300-38				
Kind Term.	oil based					
Term. Lgth.	3"	3"				
Layer Insul.	16#	16#				
Wrapper	42003VP	210056A				
TUBE	2L007		IMPREGNATION	KARNISK + WAX		
CURE	1 X 3/4	296	B AUDIO	2 X 2		

NO TIE MUST BE REVAMPED



single 56 - pp. 56

1.25 - 1 ratio each side

25 zero bond

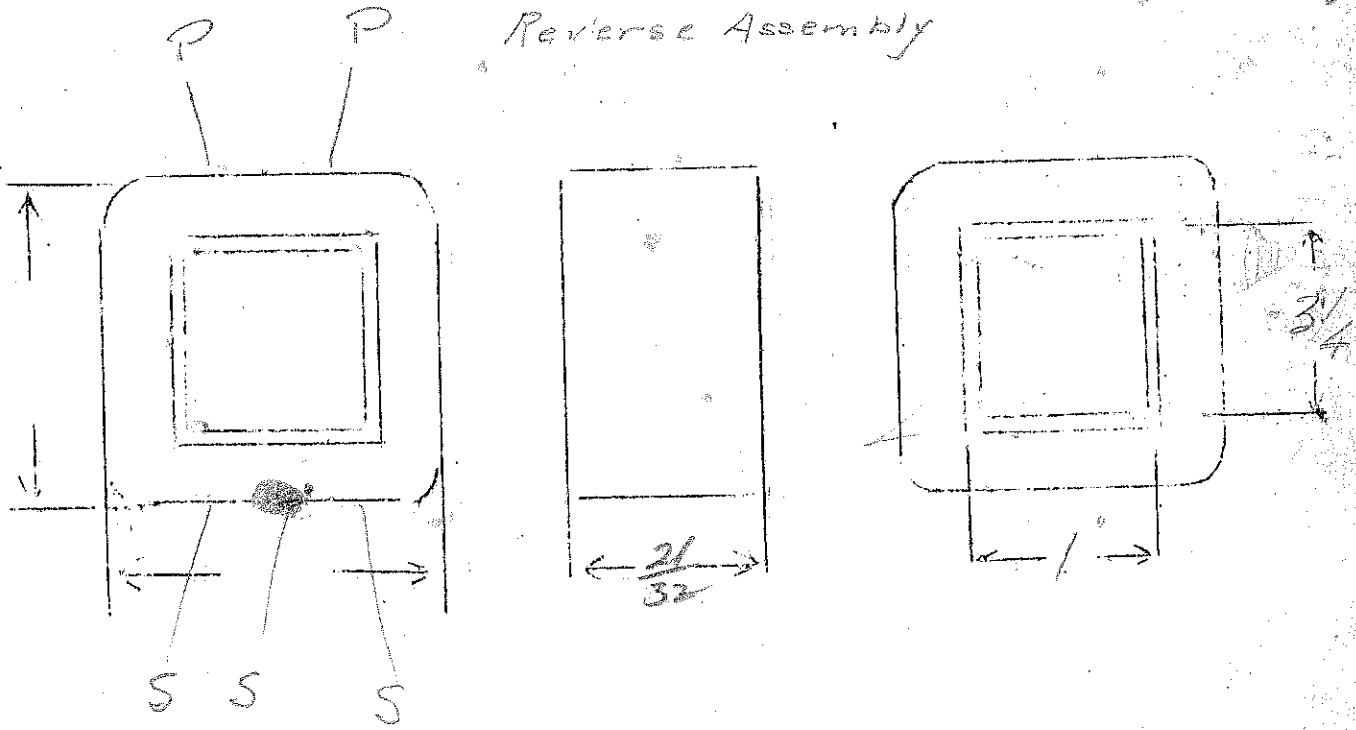
SPEC. NO.

985

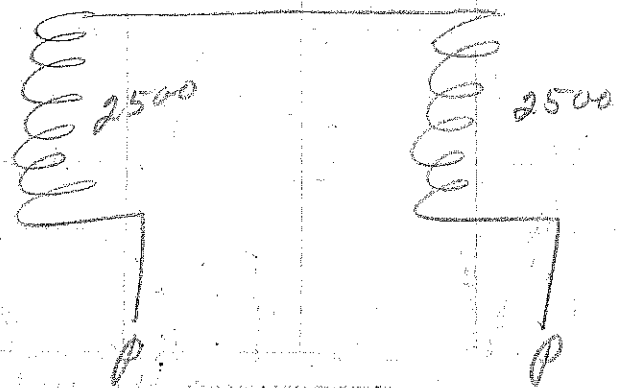
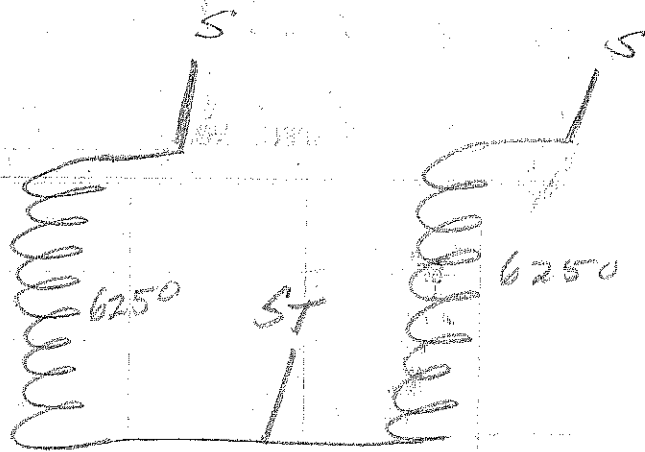
Winding	PR1	SEC				
Turns	2500	6250				
Taps	—	—				
Wind. Lgth.	7/2"	7/2"				
Wire Size	#38	#40				
T.P.L.	105-24	126-50				
Kind Term.	sil br	sil br				
Term. Lgth.	6"	6"				
Layer Insul.	16H	16H				
Wrapper	2007 WC. H. H. Glassine	2L0056A				

TUBE 7L007 IMPREGNATION WAX

CURE 1X 3/4 NW 296 HO audio BUT STUCK NO. 9

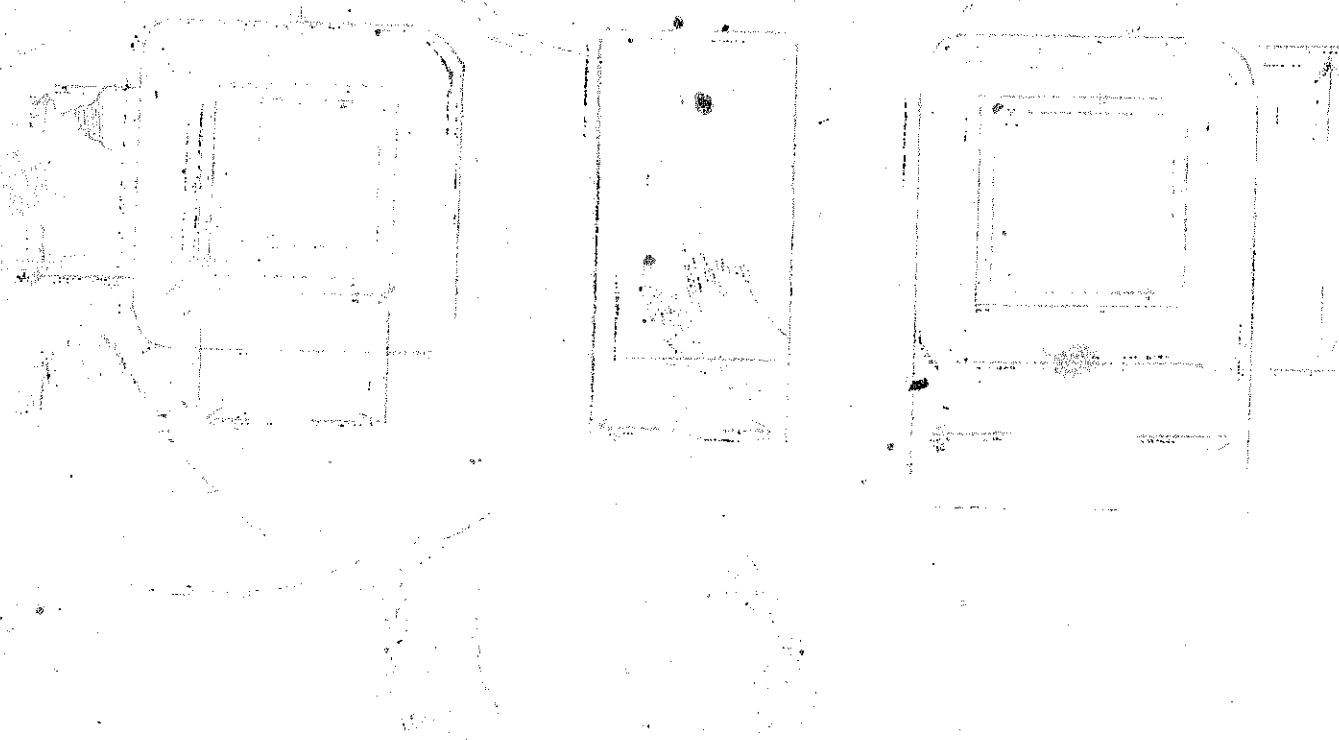


12/15



Handwritten text: *Handwritten text, possibly a label or note.*

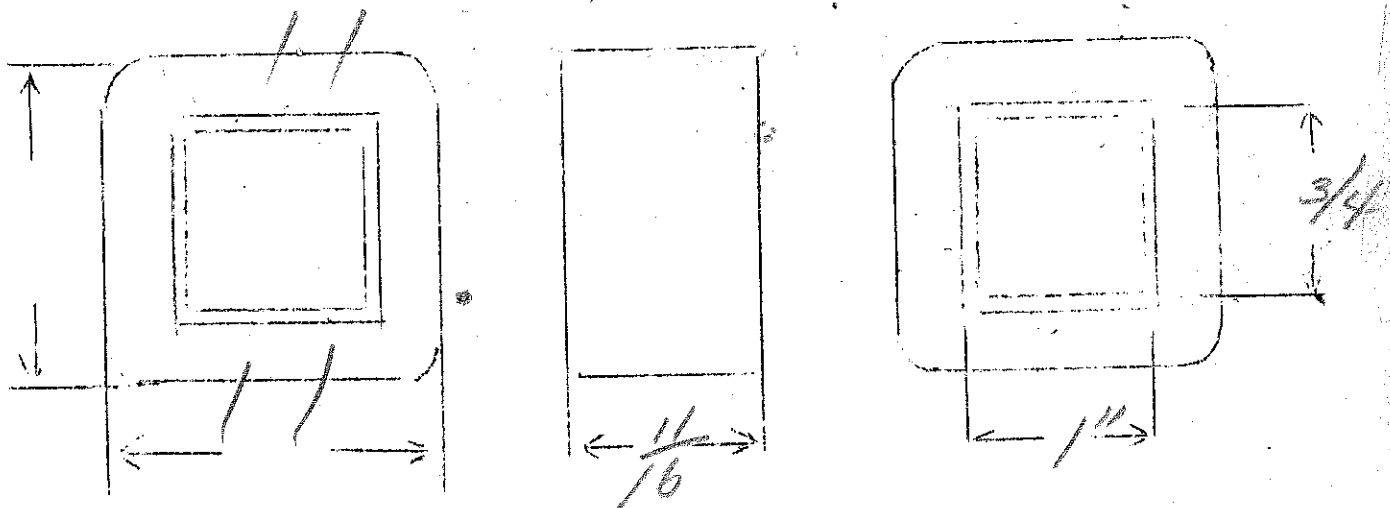
Vertical text on the right side of the page, possibly a list or index. The text is faint and difficult to read, but appears to contain several lines of information.



single 58 to 56

SPEC. NO. 986 *replace 979*

Winding	SEC	PRI				
Turns	3750	3000				
Taps	—	—				
Wind. Lgth.	1/2"	1/2"				
Wire Size	38	38				
T. P. L.						
Kind Term.	oil band					
Term. Lgth.	6"	6"				
Layer Insul.	20H	20H				
Wrapper	41003VP	21005CA				
TUBE	7L007+1003VP		IMPREGNATION	V + W		
CURE	1 X 3/4 - NW - 290		Audio A	1 X 1		

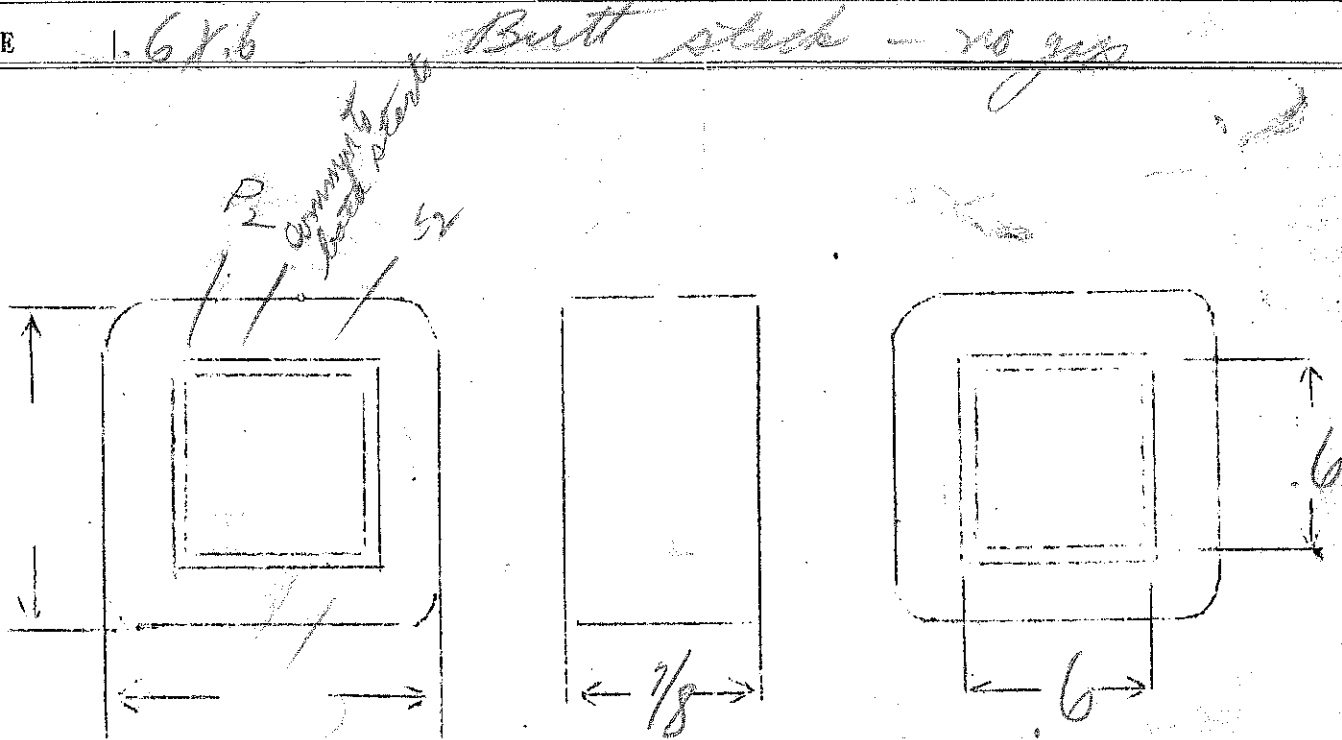


Heger - Radio Dns.

200 - 10,000 Ω

SPEC. NO. 987

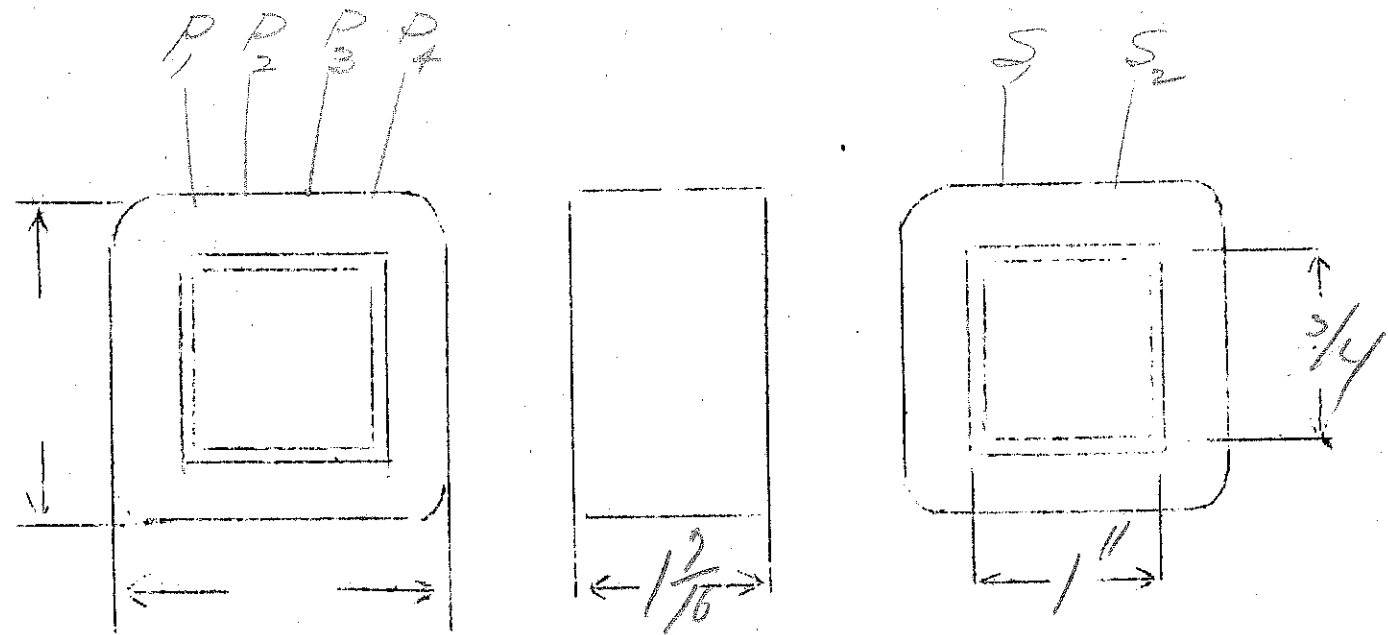
Winding	SEC	PRI				
Turns	3000	133				
Taps	—	—				
Wind. Lgth.	3/4	3/4				
Wire Size	#32	#32				
T.P.L.	152-20	70				
Kind Term.	sil lead					
Term. Lgth.	3	3				
Layer Insul.	20	30				
Wrapper	2L0056A	2L0056A				
TUBE	4L007		IMPREGNATION	WAX		
CURE	.6 x .6 Butt stack - no gap					



1000, 3000, 5000 a pick up to 100,000 gnd

SPEC. NO. 990

Winding	SEC	PR1				
Turns	10000	2200				
Taps	-	1740-1000				
Wind. Lgth.	1.25	1.25				
Wire Size	38	#33				
T.P.L.	252-40	150				
Kind Term.	#20 Pwr	#20 Pwr				
Term. Lgth.	9	9				
Layer Insul.	20#	30#				
Wrapper	42003VP	21005GA				
TUBE	7L007		IMPREGNATION		V+W	
CURE	1X3/4		296 2X2		6 Grade Audio	

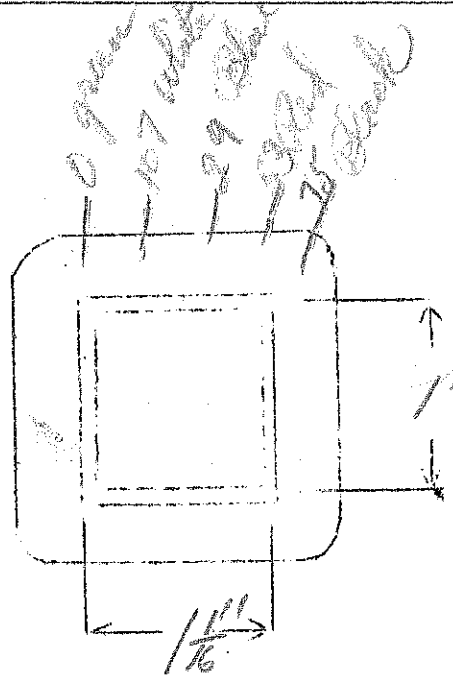
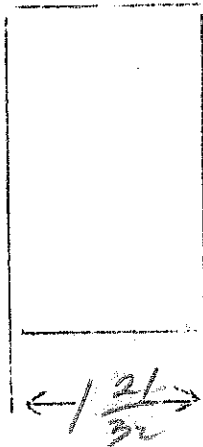
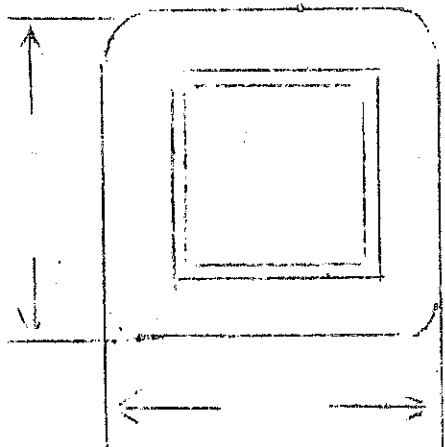


PP. 210 to 4, 6.5, 9, 12 v.c

20000 -

SPEC. NO. 991

Winding	PRI	continuous SEC ₁ SEC ₂				
Turns	7500	107	75			
Taps	3750		53 - 29			
Wind. Lgth.	1 15/32	1 15/32				
Wire Size	#37	#21	#22			
T.P.L.	275	-	-			
Kind Term.	#20 Pamid	WIRE ONLY				
Term. Lgth.	9"	9"	9"			
Layer Insul.	20#					
Wrapper	2L0056A	2L0056A				
TUBE	7L007	IMPREGNATION		V x W		
CURE	1 1/16 x 1	NW 26G	2X2	audio B	1/8 Bond	

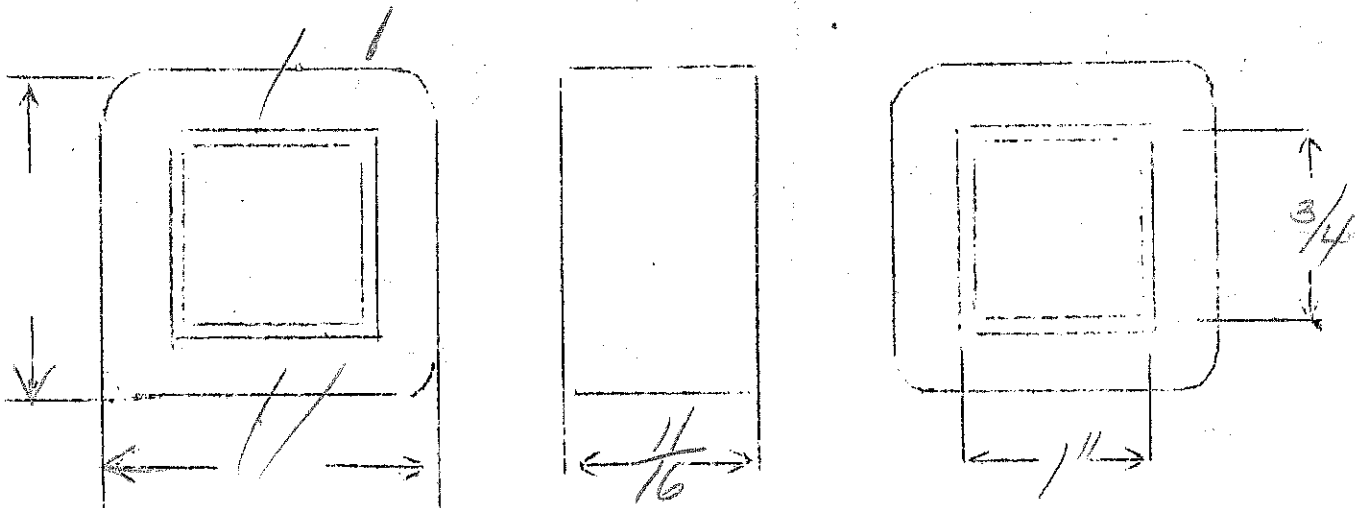


HHH. 200 Ω line to 3 grids in parallel

SPEC. NO. 992

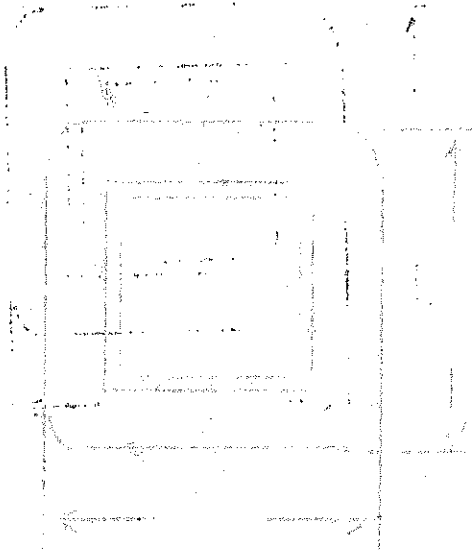
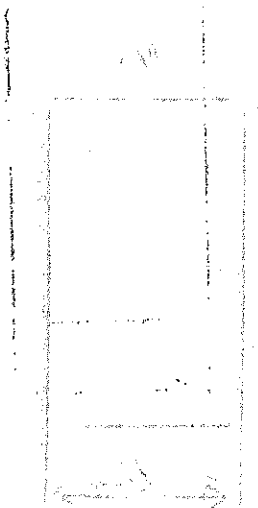
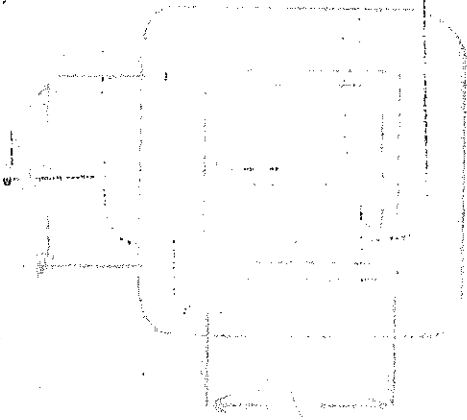
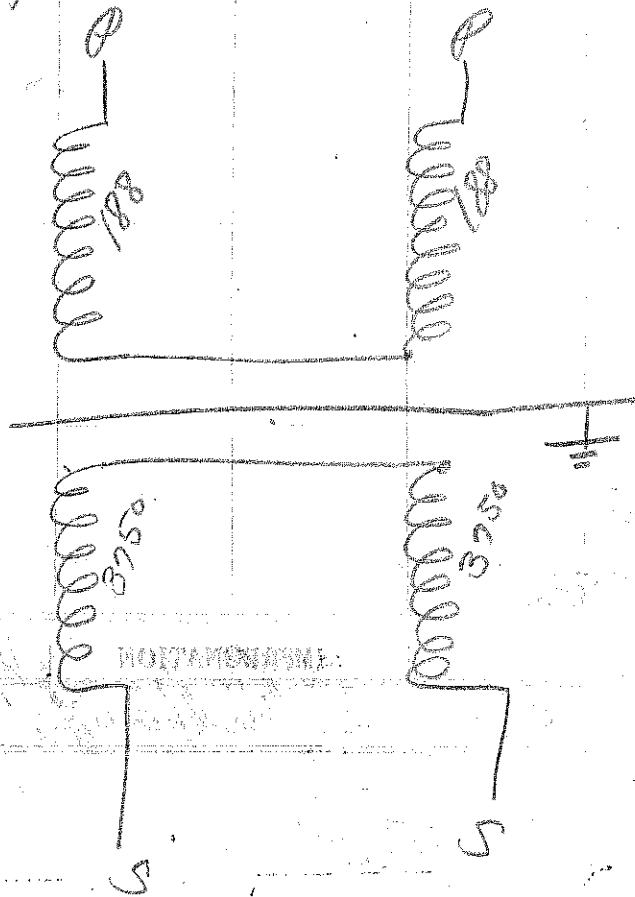
Winding	SEC	PRI				
Turns	3750	188				
Taps	—	—				
Wind. Lgth.	$\frac{1}{2}$	$\frac{1}{2}$				
Wire Size	#38	#33				
T.P.L.	100	55				
Kind Term.	sil braid					
Term. Lgth.	6"	6"				
Layer Insul.	20#	30#				
Wrapper	3L003VP shield 3L003VP	2L005GA				
TUBE	7L007		IMPREGNATION	VARNISH		
CURE	1x $\frac{3}{4}$ "		296	High Grade Andis 1X1		

REVERSE ASSEMBLY



Shield under Sec. Leads up on to the panel.

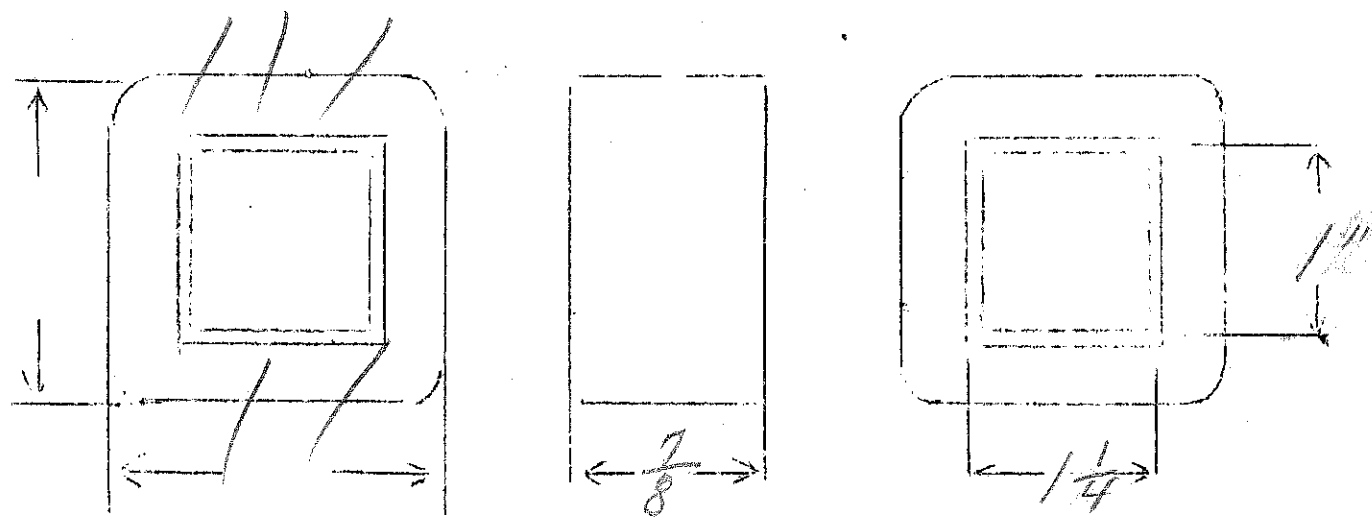
assume grid winding 80,000 Ω



PP 2A3 output class A fixed bias
to 500 Ω line
+33DB

SPEC. NO. 993

Winding	PRI	SEC				
Turns	2500	2040				
Taps	—	—				
Wind. Lgth.	5/8	5/8				
Wire Size	#34E	#33E				
T.P.L.	80-32	94-28				
Kind Term.	silver	brail				
Term. Lgth.	6"	6"				
Layer Insul.	30#	30#				
Wrapper	5L0031P	2L0056A				
TUBE	7L007	IMPREGNATION	VARNISH			
CURE	1 1/4 x 1"	295 High Grade Audio				

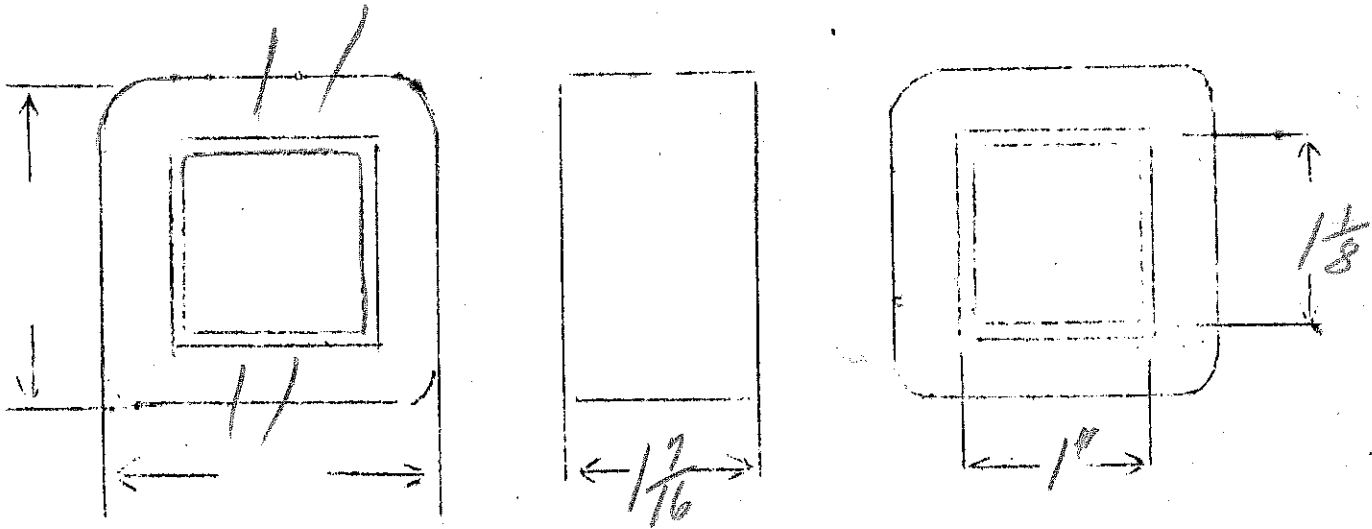


Speaker of
500 Ω to 7.0

8 watts - good low response

SPEC. NO. 994

Winding	PRI	SEC				
Turns	1850	220				
Taps	—	—				
Wind. Lgth.	1.25	1.25				
Wire Size	#31 E	#21 E				
T.P.L.	118-16	37-6				
Kind Term.	sil br	wire				
Term. Lgth.	6	6				
Layer Insul.	30#	kraft				
Wrapper	210050A	210050A				
TUBE	7L007		IMPREGNATION	V+WAX		
CURE	1X 1 1/8 NW		296 HIGH Grade	2x2		

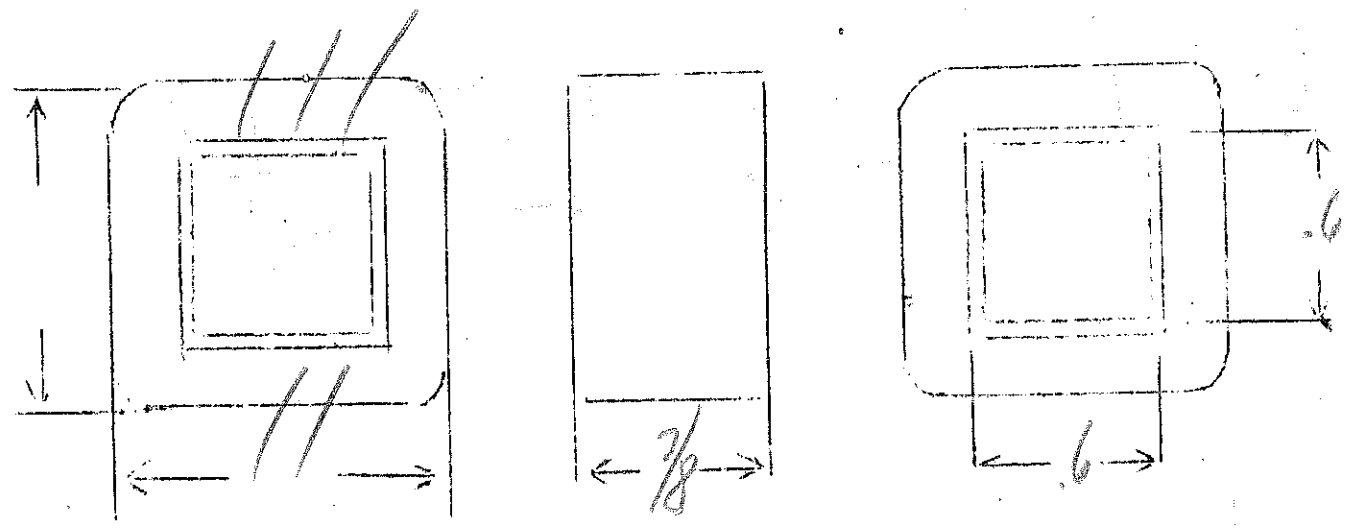


Rembler
Class B input 37-79

Ratio $\frac{P}{\frac{1}{2} sec} = 2.6$

SPEC. NO. 995

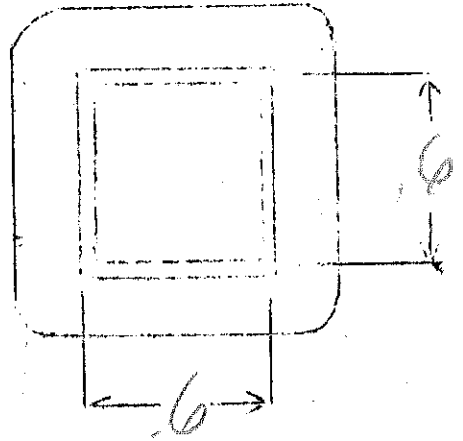
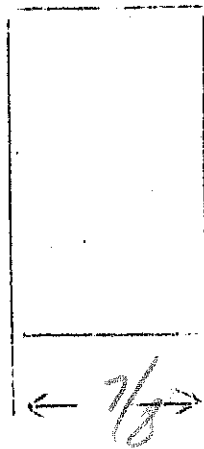
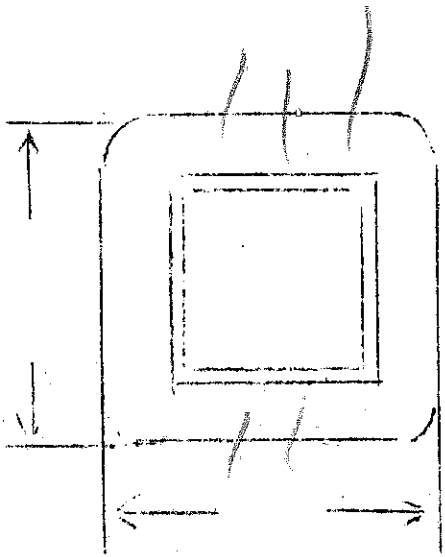
Winding	PR1	SEC				
Turns	3400	2600				
Taps	—	1300				
Wind. Lgth.	3/4	3/4				
Wire Size	#38	#38				
T.P.L.	163	163				
Kind Term.	#22 strand					
Term. Lgth.	6"	6"				
Layer Insul.	16#	16#				
Wrapper	5L003VA	2L0056A				
TUBE	4L007		IMPREGNATION		WAX	
CURE	.6 x .6 NW					



SPEC. NO.

996

Winding	P	S				
Turns	3200	60				
Taps	1600	—				
Wind. Lgth.	3/4	3/4				
Wire Size	36	double 25				
T.P.L.	126	4 layers				
Kind Term.	#20	PBR				
Term. Lgth.	6	6				
Layer Insul.	20#	30#				
Wrapper	2L0056A	2L0056A				
TUBE	4L007		IMPREGNATION		WAX	
CURE	6x6	2x2				



Speaker tf
500 Ω to 7 Ω

3 watts - good high freq
response

SPEC. NO. 995 - 997

Winding	SEC	PRI					
Turns	200	1700					
Taps	—	—					
Wind. Lgth.	1.25	1.25					
Wire Size	#26	#33					
T.P.L.	67-3	143-12					
Kind Term.	sil braid						
Term. Lgth.	6	6					
Layer Insul	2-50#	2-50#					
Wrapper	8L50#	2L005GA					
TUBE	7L007		IMPREGNATION		VARNISH-WAX		
CURE	1X 3/4 NW 29F		2X2		high grade		

