

Ep - Brown yellow red white green - 50-60 cycle

E3 - 700V (open) - 65 MA

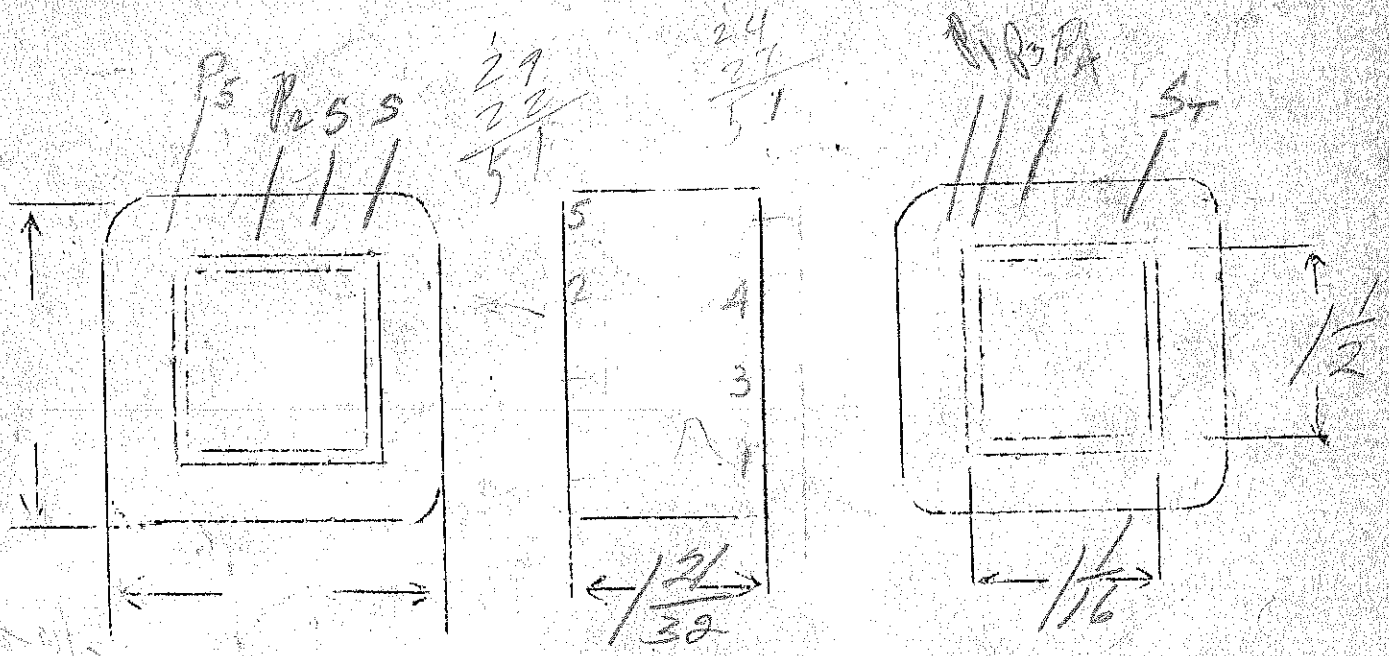
see # 2230

F1 - 5V - 2 amp

344

SPEC. NO. 2301

Winding	SEC	SHIELD	PRI	PRI	F1	F2
Turns	2740	1	495	495	22	27
Taps	1370	—	435	375	—	—
Wind. Lgth.	1 21/32	1 21/32	1 21/32	1 21/32	—	—
Wire Size	#34	Shim Stock	#24	#28	#19	#18
T.P.L.	196-14	—	63-8	99 91	—	—
Kind Term.	#20 Pwr Cr	52 Br	#20 Pwr Cr	#20 Pwr Cr	WIRE	ONLY
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#	—	40#	—	—	—
Wrapper	1100VC	1100VC	—	21005GA	21005GA	21005GA
TUBE	72007	—	—	—	IMPREGNATION	—
CURE	1 1/8 X 1/2	—	—	—	Electrical Grade Steel	—



sec - black, blue CT.
6.3V - green
50V - yellow

Flanged cover bolts for "SA" Mtg

EP-110-125-220-250

E3-700V.C.T.-85Mo

F1-5V-2amp

E2-63V-3.5amps

19910

see #302

318

SPEC. NO. 2302

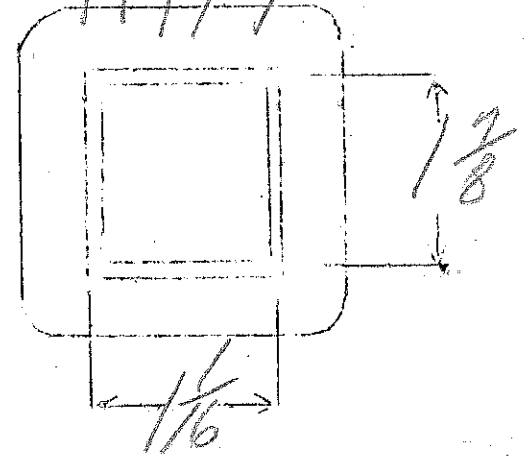
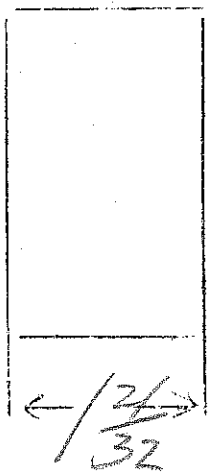
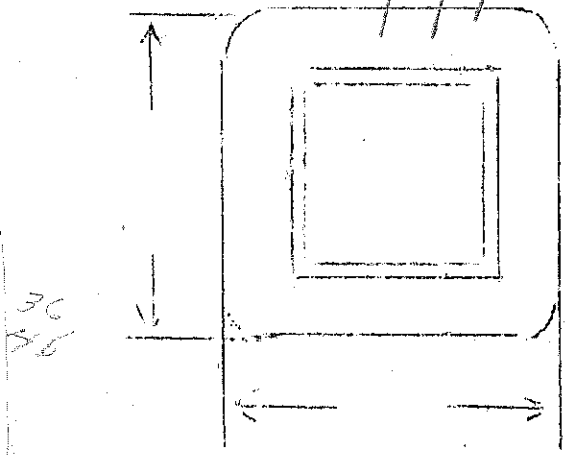
Continuous

Winding	SEC	SHIELD	PRI	PRI	F1	F2	
Turns	2420	1	397	397	17	22	
Taps	1210		350	302	—		
Wind. Lgth.	1 $\frac{15}{32}$	1 $\frac{15}{32}$	1 $\frac{15}{32}$		—		
Wire Size	#33	3MIM STECK	#24	#27	#19	#17	
T.P.L.	173-14		60-7	85-5			
Kind Term.	#20 Par Br	Sil Br	#20 Par Br	#20 Par Br	WIPE	ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"	
Layer Insul.	double 16#	—	40#	40#	—		
Wrapper	2L007VC	2L007VC		2L0056A	2L0056A		
TUBE	7L007				IMPREGNATION		double warmish
CURE	1 $\frac{1}{16}$ X 1 $\frac{1}{8}$						

SA mtg - use long bolts

P2 SS
|||

P4 P, P, ST
|||



ec - black, blue C.T.
3V - green
0V - yellow

Ep - 110-120-220-250

see #2215

Es - 680 Vct₁ - 150Ma

Ef₁ - 5V - 3amps

$\frac{N}{E} = 2.25$

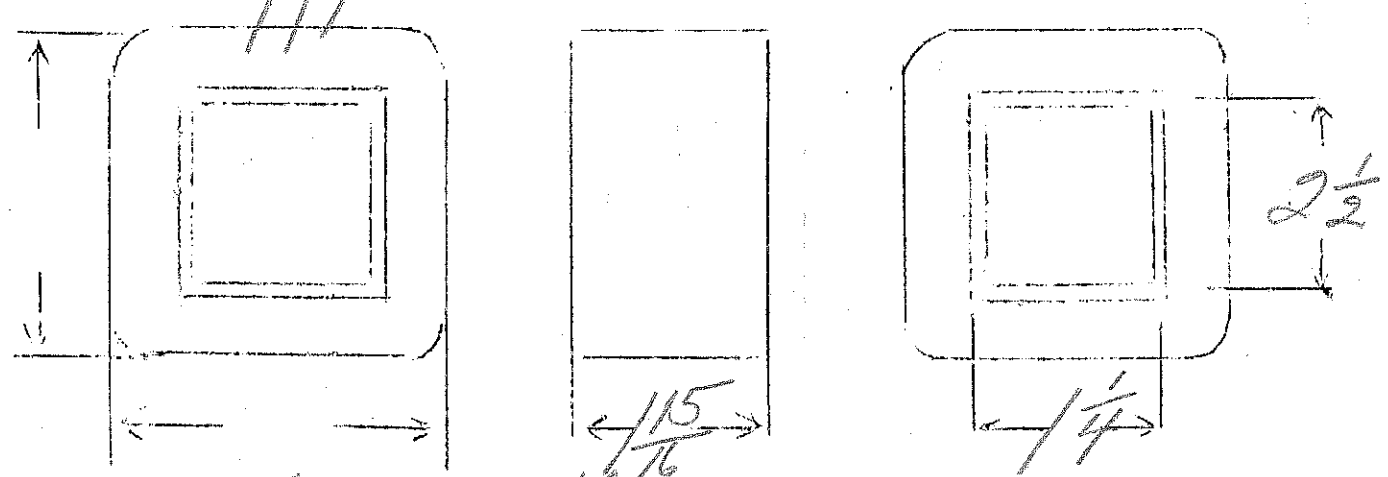
Ef₂ - 6.3V - 4.5amp

Continuous

SPEC. NO. 2303

Winding	SEC SHIELD	PRI	PRI	F ₁	F ₂	
Turns	1550	282	282	12	15	
Taps	775	68	34	—	—	
Wind. Lgth.	1.75	1.75	1.75	—	—	
Wire Size	#29	Shim	#24	#20	#17	#15
T.P.L.	130-12	Stock	72-4			
Kind Term.	#20 Per Br	Sil Br	#20 Per Br	#20 Per Br	WIPE ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double	—	double	—	—	—
Wrapper	11007VC 3L 62	11007VC		210076A	210076A	210076A
TUBE	71007			IMPREGNATION	Varnish	
CURE	1 1/4 x 2 1/2			Electrical Grade		

SA mtg - long bolts
 2 grommets spaced 1 3/8" C-C on center line of shell



sec - black - blue CT.
 5V - yellow sleeving
 6.3V - green sleeving

Ep - 230 Volt - 30W

- export

E₃ - 700V (open) - 50MVA

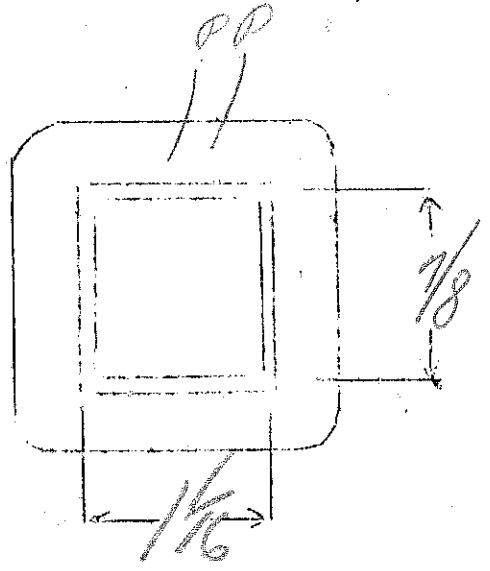
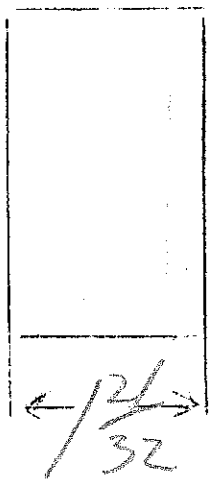
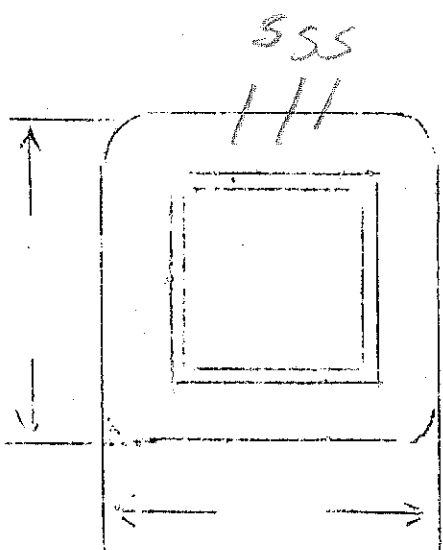
EF₁ - 5V - 2amp

EF₂ - 6.3V - 2amps

6.2

SPEC. NO. 2304-230Voll

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	4350	97	1430	35	43		
Taps	2175	-	-	-	21		
Wind. Lgth.	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	-	-		
Wire Size	#35	#28	#28	#20	#20		
T.P.L.	218-20	97	97-15	2 layers			
Kind Term.	#20 Pwr Br	S2 Br	#20 Pwr Br	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		40#				
Wrapper	1007VC	1007VC	2005GA	2005GA	2005GA		
TUBE	72007			IMPREGNATION		VARNISH	
CURE	1 1/6 x 9/8						



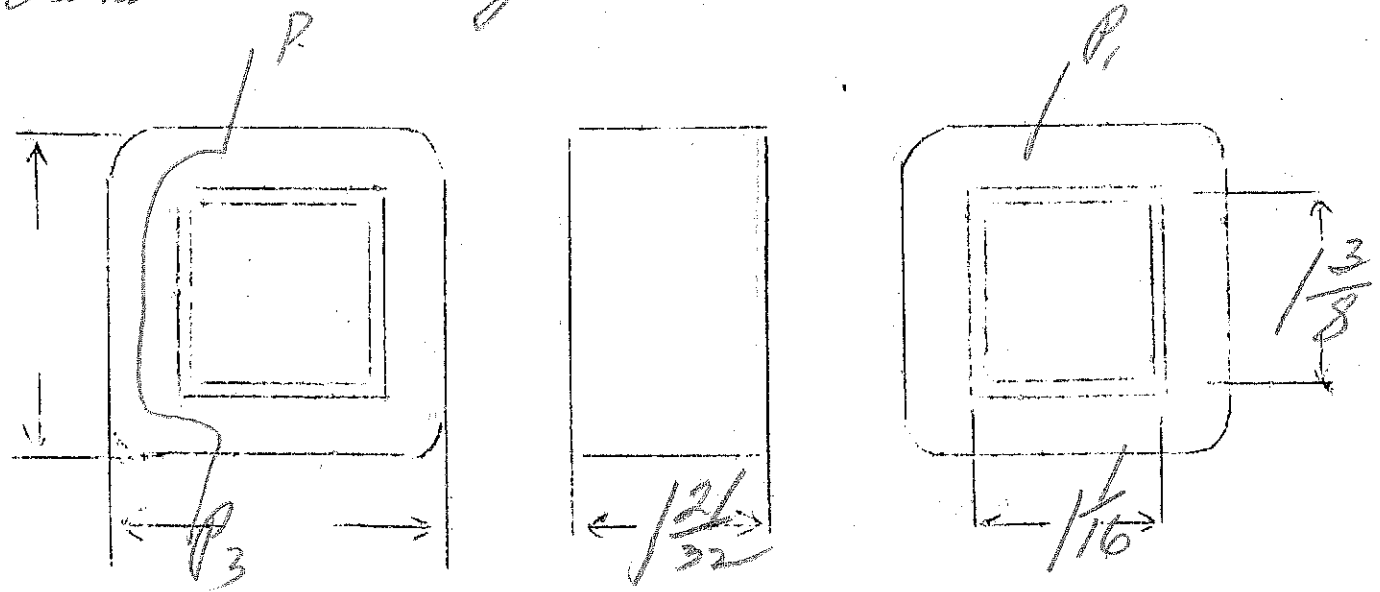
Step down 240V to 115V

150 watts

SPEC. NO. 2306

Winding	PR1						
Turns	960						
Taps	435						
Wind. Lgth.	115 3/2						
Wire Size	#23						
T.P.L.	56						
Kind Term.	WIRE ONLY						
Term. Lgth.	6"						
Layer Insul.	50#						
Wrapper	210056A						
TUBE	71007	IMPREGNATION	Varnish				
CURE	1 1/2 x 1 3/8						

Standard T rnty



200VA
115V
200VA

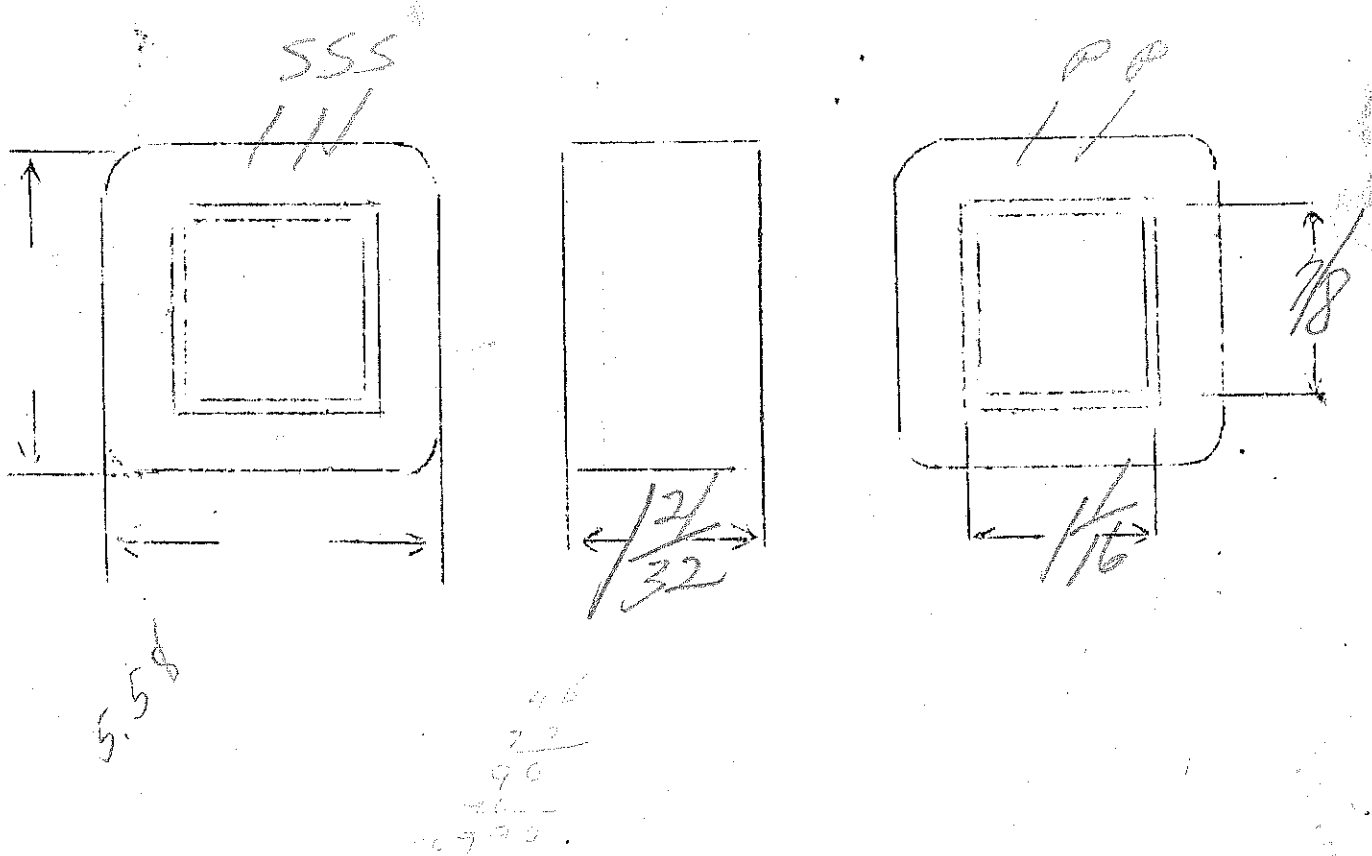
$E_p = 120V - 50-60V$
 $E_s = 710V \text{ open} - 50 \text{ MA}$
 $E_{F1} = 5V - 2 \text{ amps}$
 $E_{F2} = 63V - 2 \text{ amps} \quad 5.9$

6 TUBE

GILFILLAN BROS.

SPEC. NO. 2307-A

Winding	SEC	SHIELD	PRI	F1	F2		
Turns	4200	71	710	33	42		
Taps	2100	—	—	—	—		
Wind. Lgth.	1.25	1.25	1.25	—	—		
Wire Size	#35	#25	#25	#20	#20		
T.P.L.	212-30	71	71-10	—	—		
Kind Term.	#30 #35	W.O.	#20 P. Br	WIRES ONLY			
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		40#				
Wrapper	1007VC	1007VC	210056A	210056A	210056A		
TUBE	71007			IMPREGNATION		VARNISH	
CURE	1/16 x 7/8						



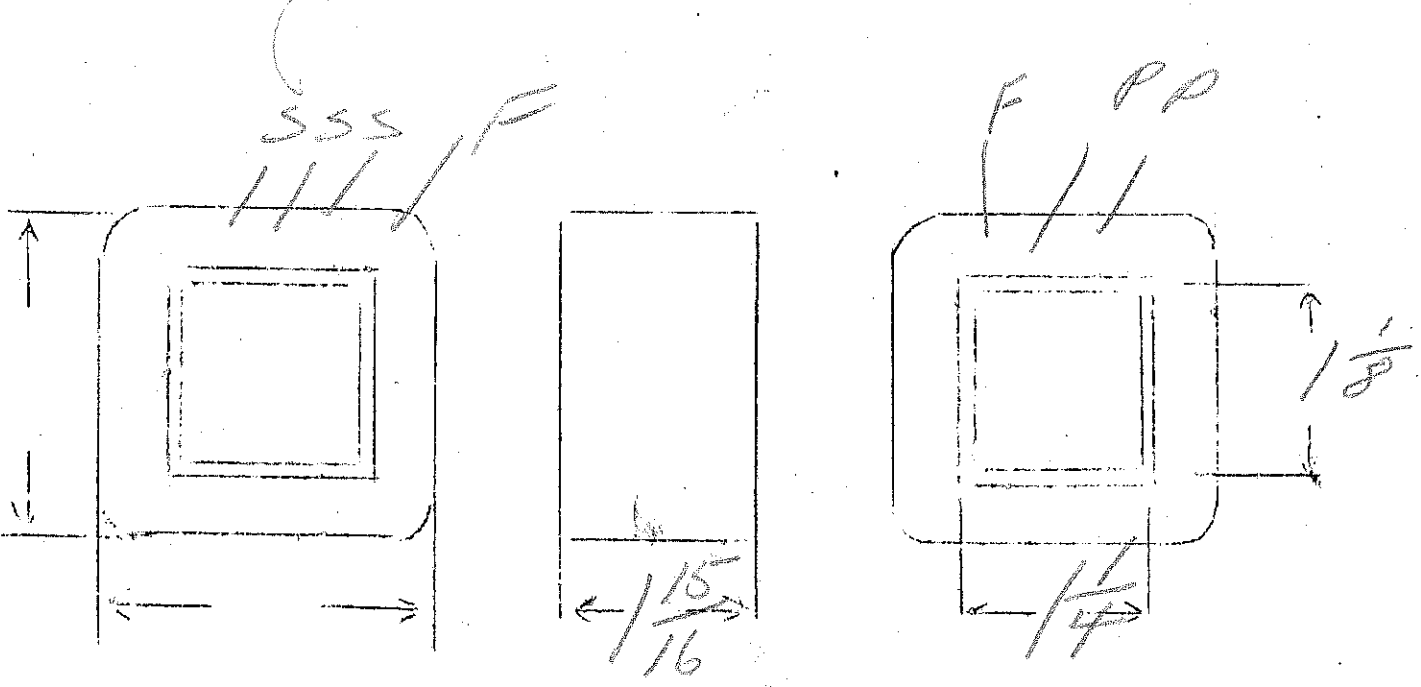
$E_p = 115V$
 $E_c = 1400V.C.T. - 75MA$
 $E_f = 5V - 3amp$

$VA = 70$

$\frac{N}{E} = 4.1$

SPEC. NO. 2309

Winding	SEC	SHIELD	PR1	FIL		
Turns	6350	227	473	23		
Taps	3175		—	—		
Wind. Lgth.	1.75	1.75	1.75			
Wire Size	#34	#34	#22	#18		
T.P.L.	227-28		60-8			
Kind Term.	#20 Par Br.	SILB	#20 Par Br.			
Term. Lgth.	9"	3"	9"			
Layer Insul.	16#		40#			
Wrapper	20076C	140076C	210076A	210076A		
TUBE	710076H/140076C		IMPREGNATION		VARNISH	
CURE	1 1/4" x 1 1/8"					



EP-230V.

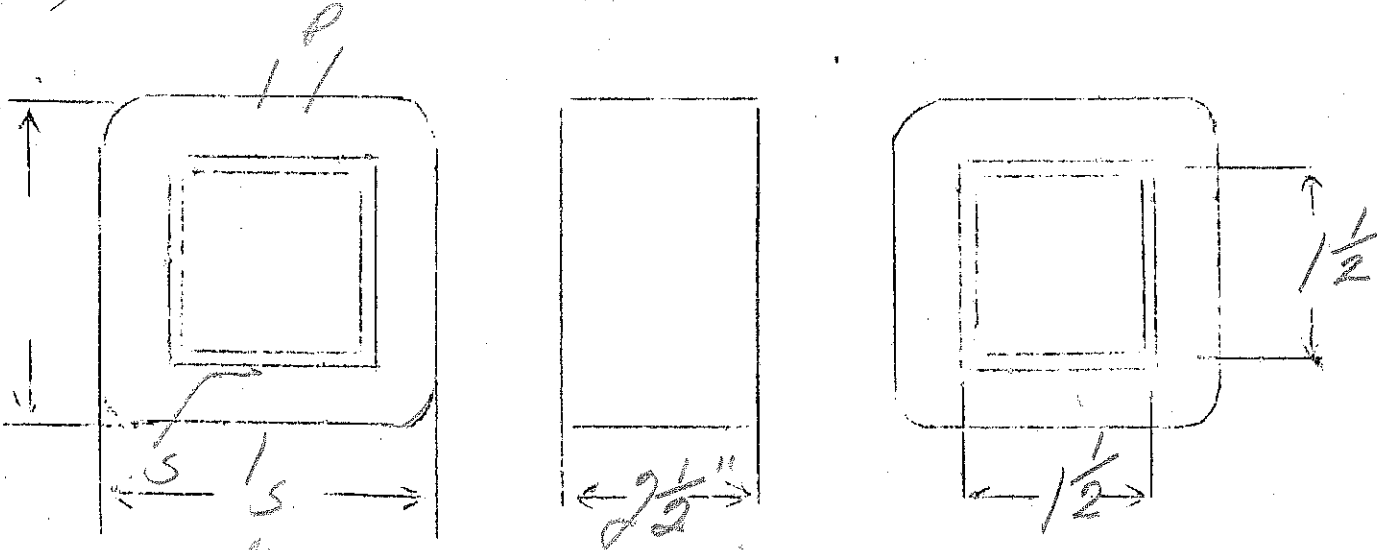
ES-10,000V-100 watt (10ma)

Continuation 2.1

SPEC. NO. 2310

Winding	PR1	SEC					
Turns	625	7500	7500	7500	7000		
Taps							
Wind. Lgth.	2 ³ / ₈	2"	1 ³ / ₄	1 ¹ / ₂	1 ¹ / ₄		
Wire Size	#25	#39	#39	#39	#39		
T.P.L.	105-6	460-17	404-19	345-22	286-25		
Kind Term.	WIRE ONLY	Sil br - start in coil #70 PBr	outside				
Term. Lgth.	6"	6"					
Layer Insul.	double 30#	double 16#					
Wrapper	2100 VC				30005 SA MICA STRIPS - 1/16"		
TUBE	9007			IMPREGNATION	VARNISH		
CURE	1 1/2 x 1 1/2						

Ground sec start to case



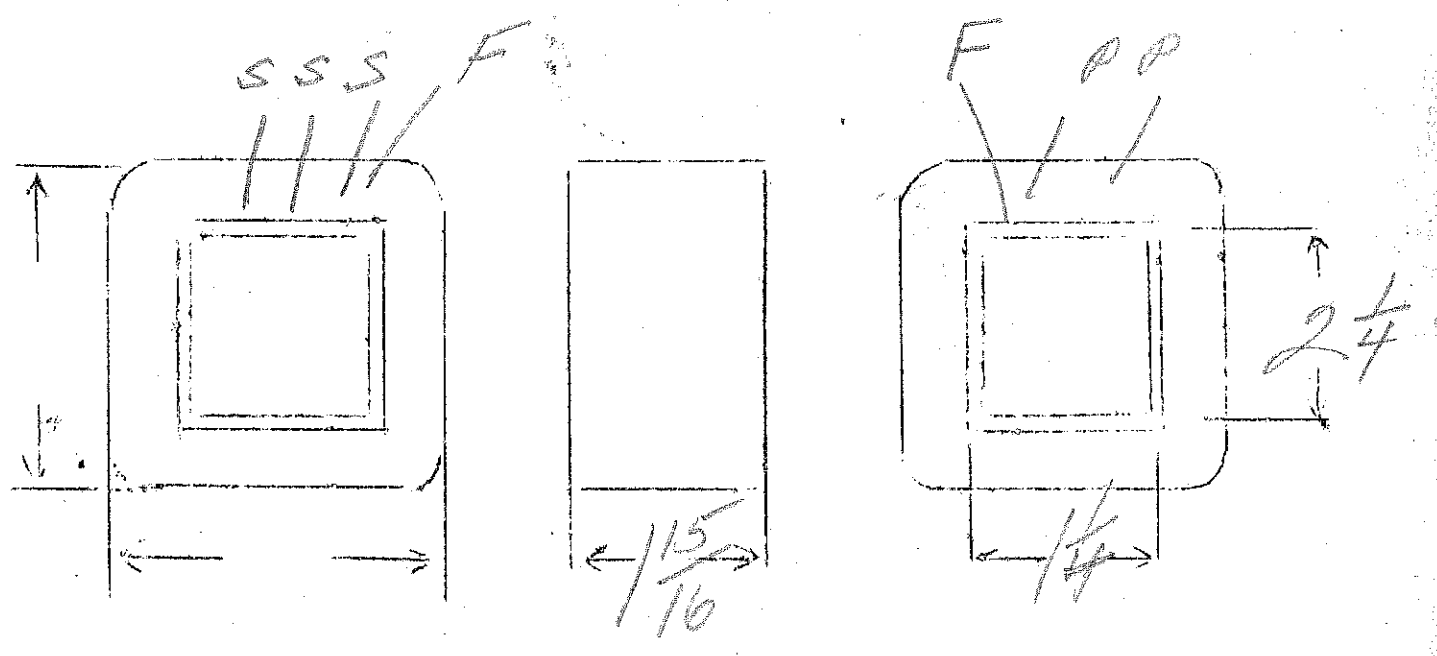
name plate
 PV-230 PVA-100
 SEC-10000 SEC AMP 010
 GND CASE

Ep - 115V
 Es - 450V CT - 500MVA
 Ef - 5V - 6amp CT.

SPEC. NO. 2311

232 mm

Winding	SEC	SHIELD	PRI	F ₁			
Turns	1140	95	268	13			
Taps	570	-	-	6			
Wind. Lgth.	1.75	1.75	1.75	-			
Wire Size	#26	#26	#20	#15			
T.P.L.	95-12	95-1	6L				
Kind Term.	#20 Pn Bn	W-B	#20 Pn Bn	W-B			
Term. Lgth.	9"	3"	9"	9"			
Layer Insul.	double 20#		005				
Wrapper	11007V	11007K	2100760	210076A			
TUBE	76007				IMPREGNATION		VARNISH
CURE	1 1/4 x 2 1/4				Electrical grade		

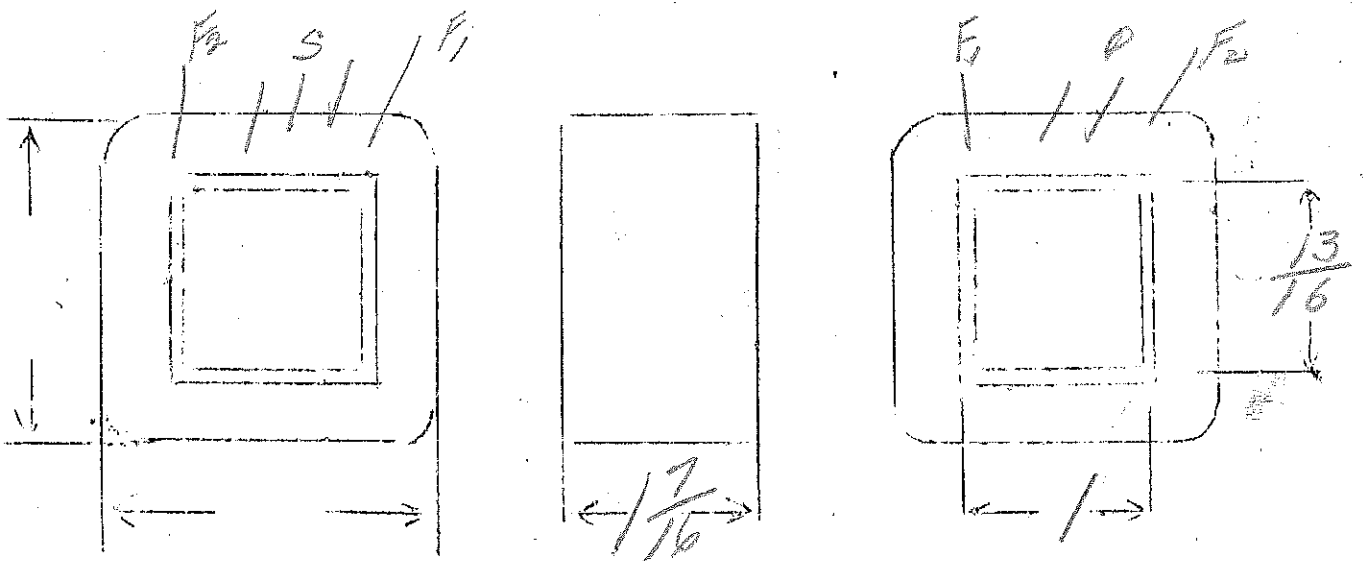


Ep-715

Similar to 1506 except primary
rated for series ballast tube

SPEC. NO. 2312-A

Winding	SEC	SHIELD	PR1	F ₁	F ₂		
Turns	4040	73	710	35	43		
Taps	2020	-	-	-	-		
Wind. Lgth.	1.25	1.25	1.25	-	-		
Wire Size	#37	#27	#27	#21	#22		
T.P.L.	226-18		73-10	-	-		
Kind Term.	#22 P.C.R.	W.O.	#22 P.C.R.	WIPE	ONLY		
Term. Lgth.	9" Double	3"	9"	9"	9"		
Layer Insul.	16#		40#	-	-		
Wrapper	1L005VC	1L005VC	2L005GA	2L005GA	2L005GA		
TUBE	5L007+1LGA			IMPREGNATION		VARNISH	
CURE	1x13/16 Synmax Grade						



Ep - 110-125-220-250
yellow green red white green

E₃ - 700 VCT. - 85 M4

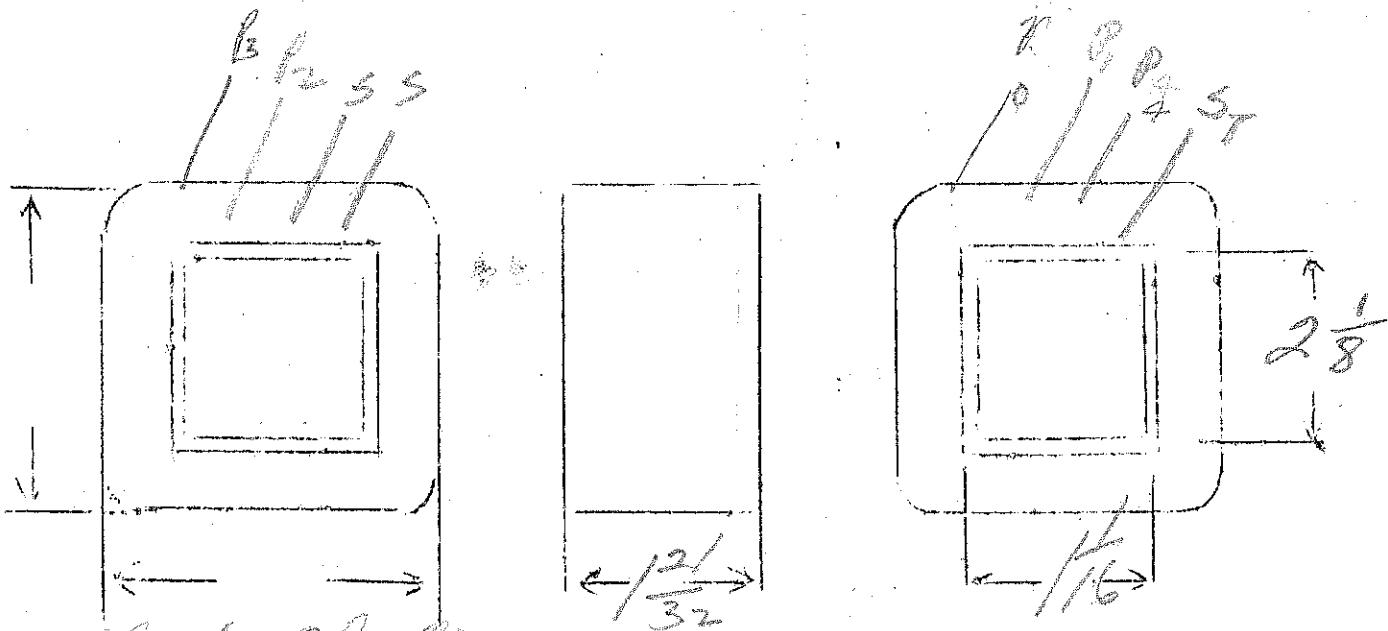
E_{F1} - 5V - 2 amp

3.06

E_{F2} - 6.3V - 3.5 amp *Continuum*

SPEC. NO. 2313

Winding	SEC	SHIELD	PRI	PRI	yellow F ₁	green F ₂
Turns	2300	1	382	382	16	20
Taps	1150	-	337	294	-	-
Wind. Lgth.	1 15/32	1 15/32	1 15/32	1 15/32	-	-
Wire Size	#33	SHIM STOCK	#23	#27	#19	#17
T.P.L.	190-14		57-9	89-5		
Kind Term.	#20 PCB	fil br	#20 PCB	WIPE	ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#	-	40#	-	-	-
Wrapper	7L007K	7L007K		2L005GA	2L005GA	2L005GA
TUBE	7L007			IMPREGNATION		VARNISH
CURE	1 1/4 x 2 1/8					



Sec - Black, Blue CT.

6.3V - green

5.0 - yellow

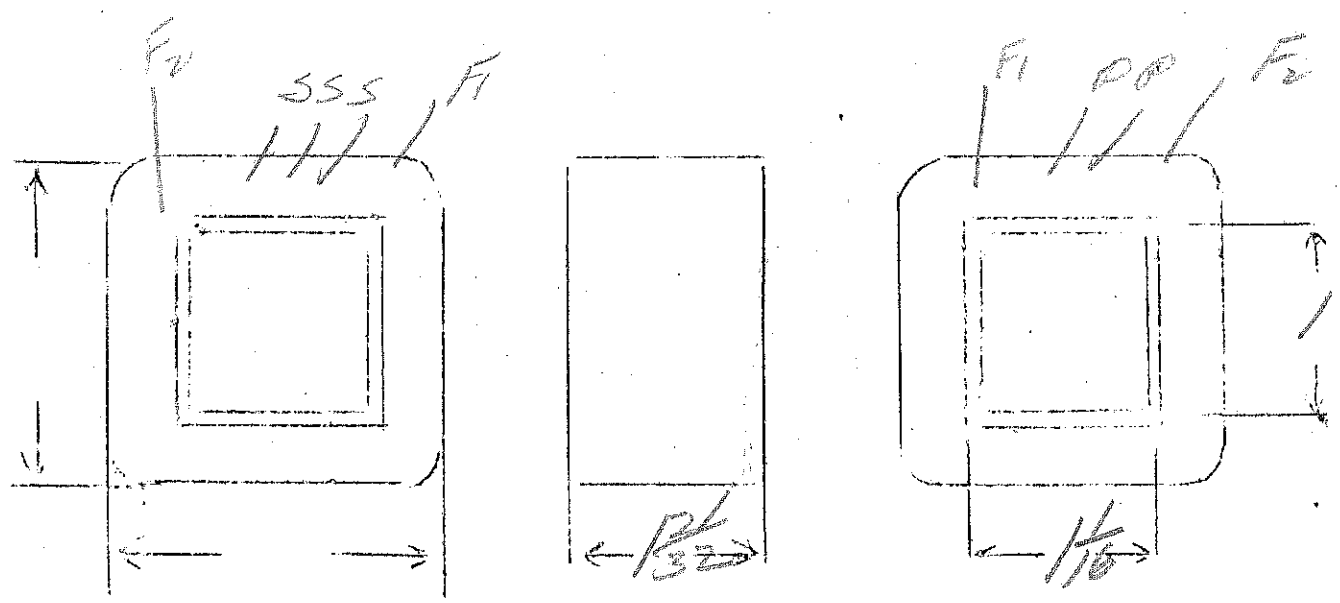
E_p - 112V - for use with collector tube
 E_s - 695V (open) - 40 ma
 E_{F1} - 5V - 2 amp
 E_{F2} - 6.3V - 2.5 amp

1-6A8
 2-6X7
 1-6H6
 1-6F5
 1-6F6
 1-5Z4
 1-605

$$\frac{N}{E} = 5.25$$

SPEC. NO. 2314-A

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3660	68	590	29	36		
Taps	1830			—	—		
Wind. Lgth.	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	—	—		
Wire Size	#35		#25	#20	#19		
T.P.L.	206-18		68-9				
Kind Term.	#20 Pwr Cr	W.O.	#20 Pwr Cr	WIRE ONLY			
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		double 20#				
Wrapper	2L007VC	2L007VC	2L005GA	2L005GA	2L005GA		
TUBE	2L007		IMPREGNATION		VARNISH		
CURE	1 1/16 x 1						



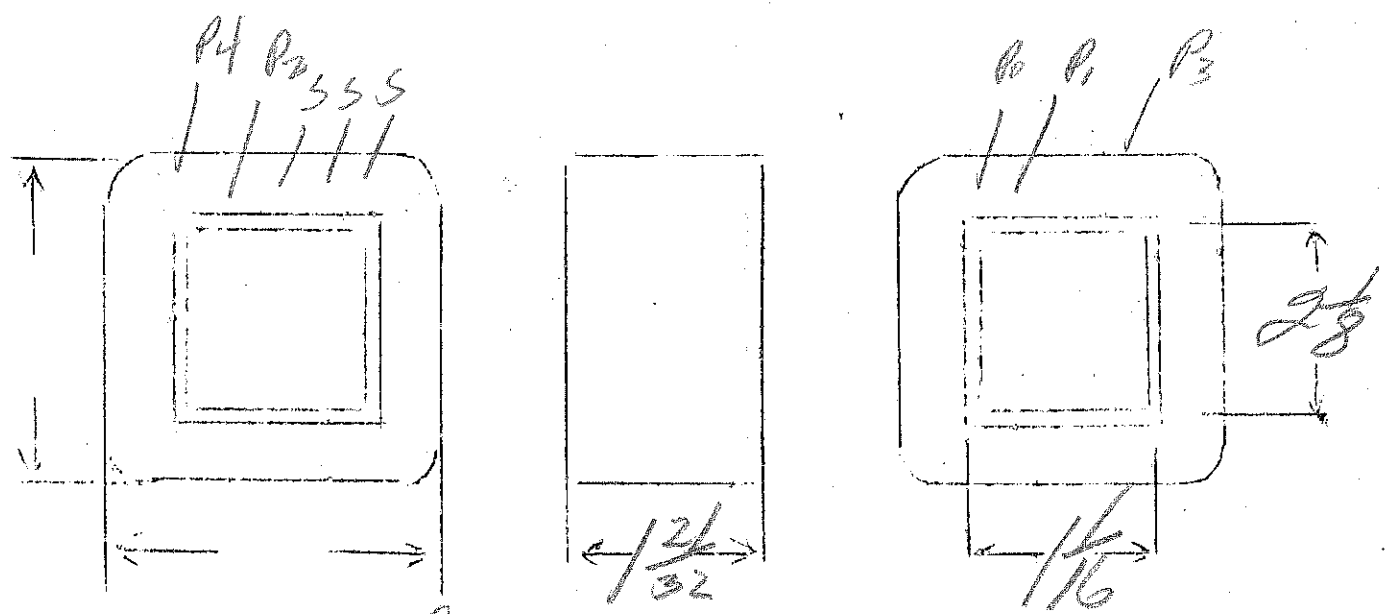
Brown yellow red white green
 Ep - 115-125-220-350
 Es - 700V. CT. - 85 MA
 Ef - 5V - 3amps
 Ef - 6.3V - 4.1 amps

B = 11500

$\frac{M}{E} = 28$

SPEC. NO. 2315

Winding	SEC	SHIELD	Continuous PRI	yellow PRI	green F ₁	red F ₂
Turns	2070	1	350	350	15	19
Taps	1035		322	266	—	—
Wind. Lgth.	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	—	—
Wire Size	#33	thin stock	#23	#27	#19	#16
T.P.L.	173-12		55-7	89-4		
Kind Term.	#20 Pwr Br	Sil Br	#20 Pwr Br	#20 Pwr Br	NITE ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#		40#	40#		
Wrapper	2L007VC	2L007VC		2L0056A	2L0056A	2L0058A
TUBE	2L007			IMPREGNATION	VARNISH	
CURE	$1\frac{1}{16} \times 2\frac{1}{8}$	Dynamo Grade				

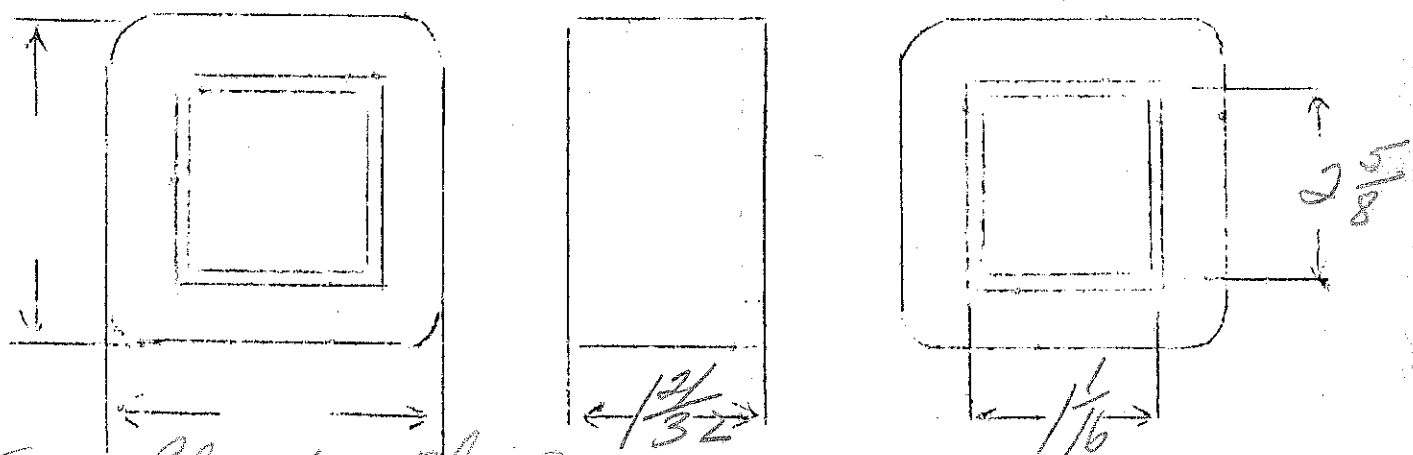


SEC Black-Blue CT
 6.3V - green
 50V - yellow

Ep - Brown 115 125 220 250
 Es - 700VCT-85MA
 Ef₁ - 5V-3amps 2.25
 Ef₂ - 6.3V-4.1amps

SPEC. NO. 2316

Winding	SEC	SHIELD	PRI	PRI	F ₁	F ₂
Turns	1690	1	282	282	12	15
Taps		-	260	215		
Wind. Lgth.	$\frac{1}{32}$	$\frac{1}{32}$	$\frac{1}{32}$	$\frac{1}{32}$		
Wire Size	#32	Phon stock	#22	#26	#19	#16
T.P.L.	145-12		6L	4L	1 layer	
Kind Term.	#20 Par Br	S/B	#20 Par Br	#20 Par Br	WIRES ONLY	
Term. Lgth.	9	3	9	9	9	9
Layer Insul.	double 16#		40#	40#		
Wrapper	1007VC	1007VC		2L0056A		2L0056A
TUBE	7L007			IMPREGNATION	VARNISH	
CURE	$1\frac{1}{2} \times 2\frac{3}{8}$			Dynamo Grade		



See Black-Blue Ct.

6.3V - Green
 5.0V - Yellow

Green yellow, red, white, green
 Ep-0-115-125-220-250

Es-700VCT-85Ma

Ef₁-5V, 3amps Ef₂-6.3V-4amps 2.36

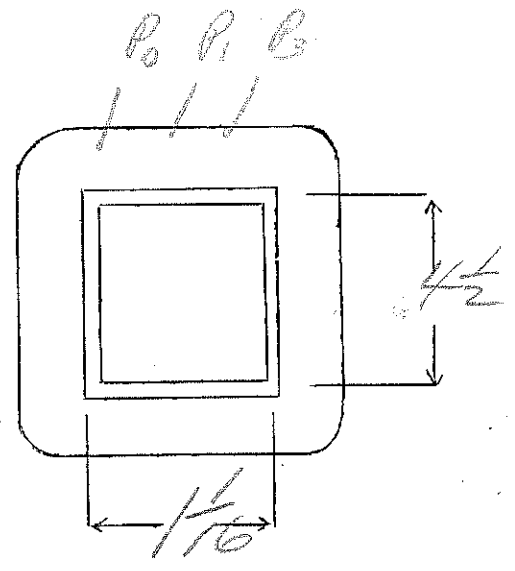
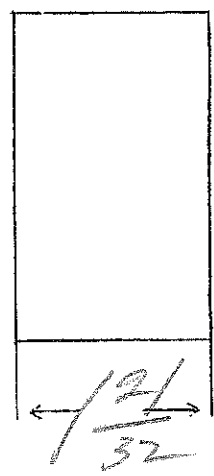
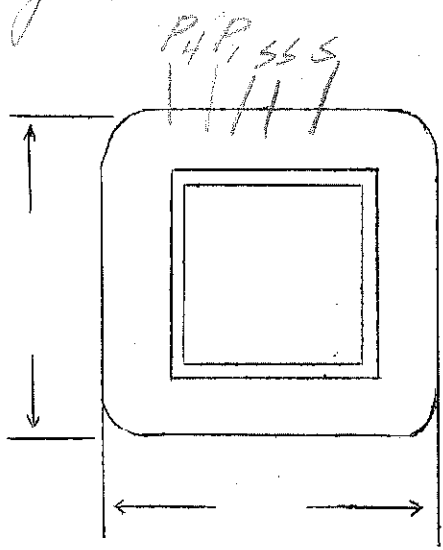
SPEC. NO. 2317-25N

Winding	SEC	SHIELD	Commons		F ₁	F ₂
Turns	1820	1	295	295	13	16
Taps	9/10		272	226	-	-
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	-	-
Wire Size	#32	shim stock	#22	#26	#19	#16
T.P.L.	153-12	-	48-7	78-4	-	-
Kind Term.	#20 P.P.	silbr	#20	Per Br	WIRE ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	
Layer Insul.	double 16#	-	double 30#	30#	-	-
Test Volt.	2500		1250		2500	1250
Wrapper	7007VC 36#	1007VC		240056A		240056A double wax
TUBE	7007			IMPREGNATION		
CORE	1/16 x 4 1/2			PRIMARY V.A.		
MOUNTING	SA- Cadmium - Long Bolts					

sec - Black, Blue C.T.

6.3V - green

5.0V - yellow



SIGNED BY *gwr*

DATE 2/23/37

Ep - Brown yellow red white green
115V - 125V - 220V - 250V

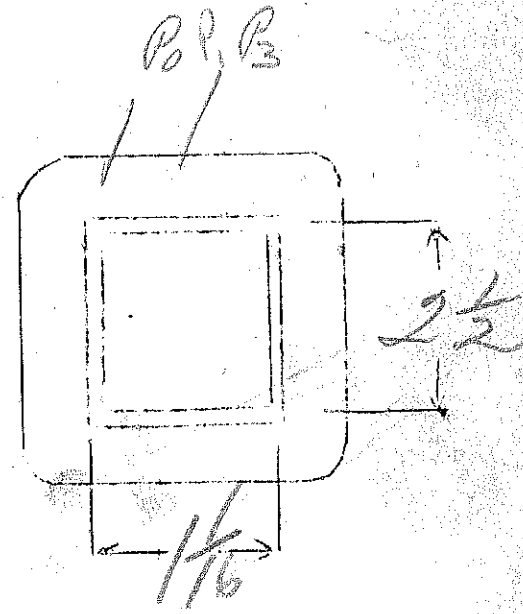
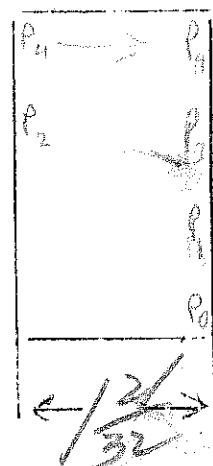
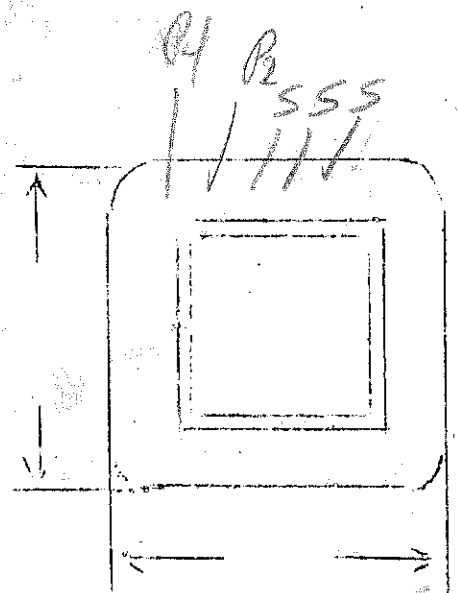
Es - 700V CT. - 85MA. 243

Ef1 - 5V - 30amp

Ef2 - 6.3V - 4amp

SPEC. NO. 2317
white green

Winding	SEC SHIELD	PRI	PRI	F1	F2
Turns	1820	304	304	13	16
Taps	910	280	232	—	—
Wind. Lgth.	15 3/32	15 3/32	15 3/32	—	—
Wire Size	#32	#22	#26	#19	#16
T.P.L.	153-12	48-7	28-4		
Kind Term.	#PBR	SIL B	#20 PBR	#20 PBR	WIPE ONLY
Term. Lgth.	9"	3"	9"	9"	9"
Layer Insul.	double 16#	double 30	double 30		
Wrapper	2L007VC	2L007VC	2L0056A	2L0056A	2L0056A
TUBE	7L007	IMPREGNATION DOUBLE VARNISH			
CURE	1 1/2 x 2 1/2	Dynamon			



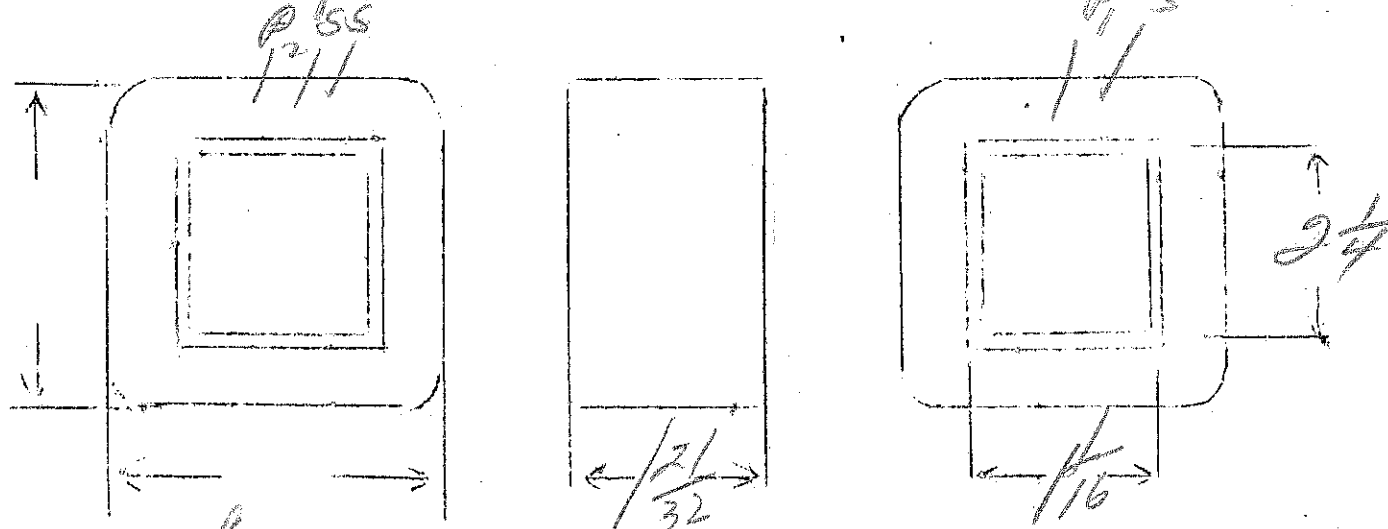
Sec Black - Blue CT
6.3 - Green
5.0 - yellow

Ep - 115 - 125V
 Es - 740V - CT (open) - 85ma
 Ef1 - 5V - 2amp
 Ef2 - 6.3V - 4amp 2.78

SPEC. NO. 2318

Winding	SEC	SHIELD	PRI	F1	F2		
Turns	2100	1	348	15	18		
Taps	1050	-	28	-	-		
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	-	-		
Wire Size	#32	shin	#21	#19	#15		
T.P.L.	152-14		4-8				
Kind Term.	#20 P Enid	90 P/B	#20 P/B	WIRE ONLY			
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		double 30				
Wrapper	21007VC	21007VE		210056A	210056A		
TUBE	7100,7			IMPREGNATION		VARNISH	
CURE	1 to X 2 1/4						

end of pri is start

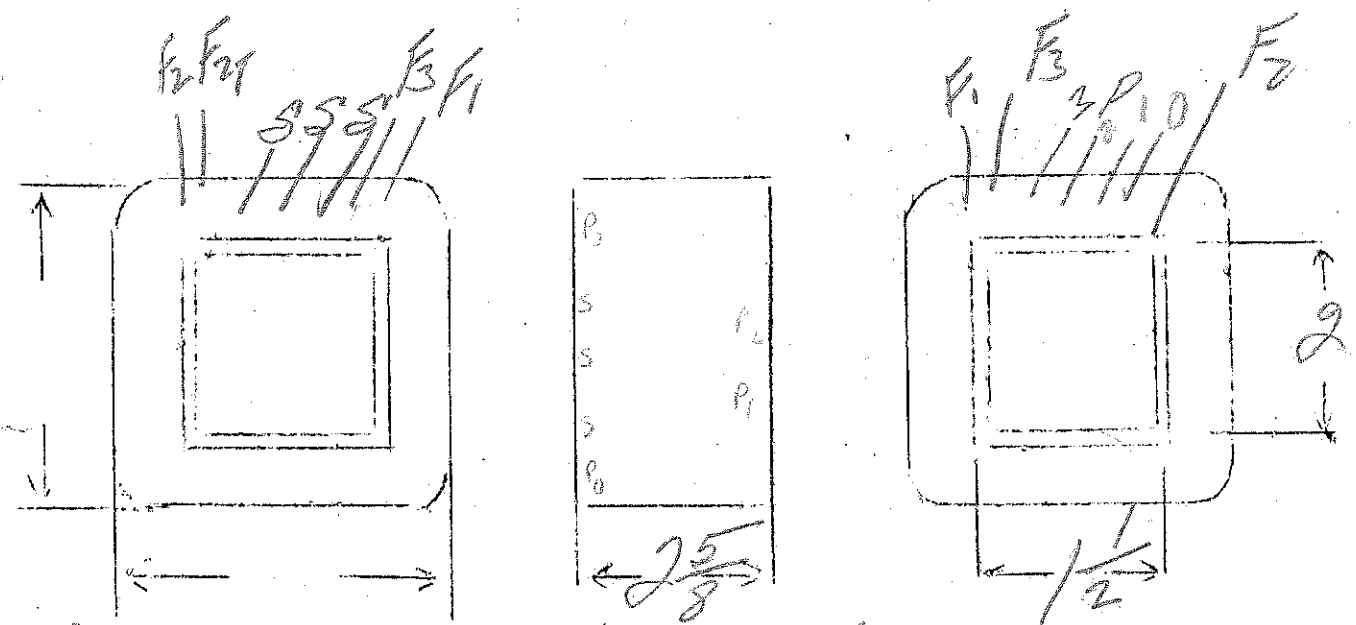


Pri - 0 brown
 115 - yellow
 125 - green
 Sec Black - Blue CT
 6.3 - green
 50 - yellow

Ep - 115-220-250V - 25A N/E - 3.5
 Es - 200V CT - 150MA
 Ef1 - 5V - 3.5 amps Ef3 - 6.3V 3.5 amps
 Ef2 - 6.3V 2.3 amps CT SPEC. NO. 2320

Winding	SEC	SHELL	Continuous		F1	F2	F3
Turns	2740	1	403	473	20	25	25
Taps	1370		-	370		12	
Wind. Lgth.	2 3/8	2 3/8	2 3/8	2 3/8	-	-	-
Wire Size	#29	shim stock	#20	#24	#17	#18	#17
T.P.L.	175-16		63-7	100-5			
Kind Term.	sil Cr		WIRE	ONLY			
Term. Lgth.	3"	3"	3"	3"	3"	3"	3"
Layer Insul.	double 20 #		double 30 #	double 30 #			
Wrapper	11007VC 35 #	210056A		210056A			double No 210056A
TUBE	92007		IMPREGNATION			varnish	
CURE	1/2 x 2						

5.95
7.0



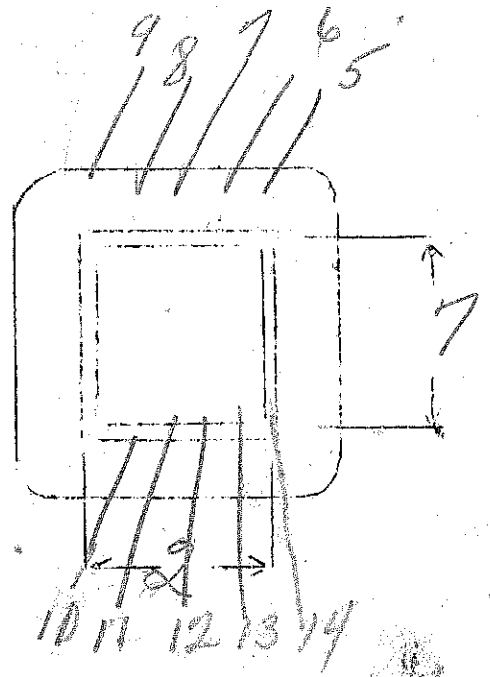
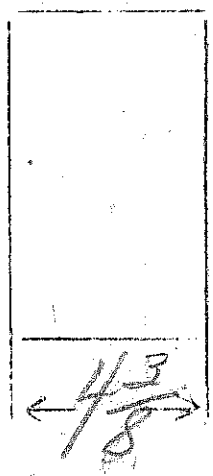
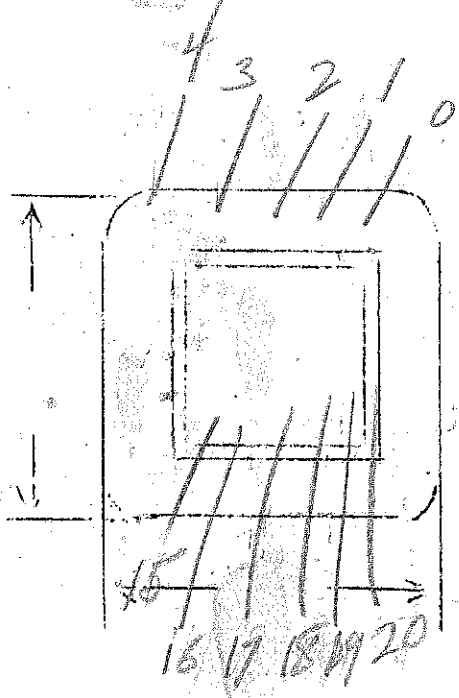
"B" mtg - mark panels

Auto Transformer 60-250V 10 volt steps
 2KW at all taps - 25A

Continuous $M/E = .9$

SPEC. NO. 2321

Winding						
Turns	72	45		108		
Taps	63 54	36 27-18-9		99-90-81-72-63-54 -27-18-9	45-36	
Wind. Lgth.	4"					
Wire Size	double rect. .031 x .25	10 square		11		
T.P.L.	10 layers	15L		3L		
Kind Term.		#10 square		W.O.		
Term. Lgth.	4"	4"				
Layer Insul.	.007 Kraft					
Wrapper				3L0050A		
TUBE	106007			IMPREGNATION	VARNISH	
CURE	2X7					



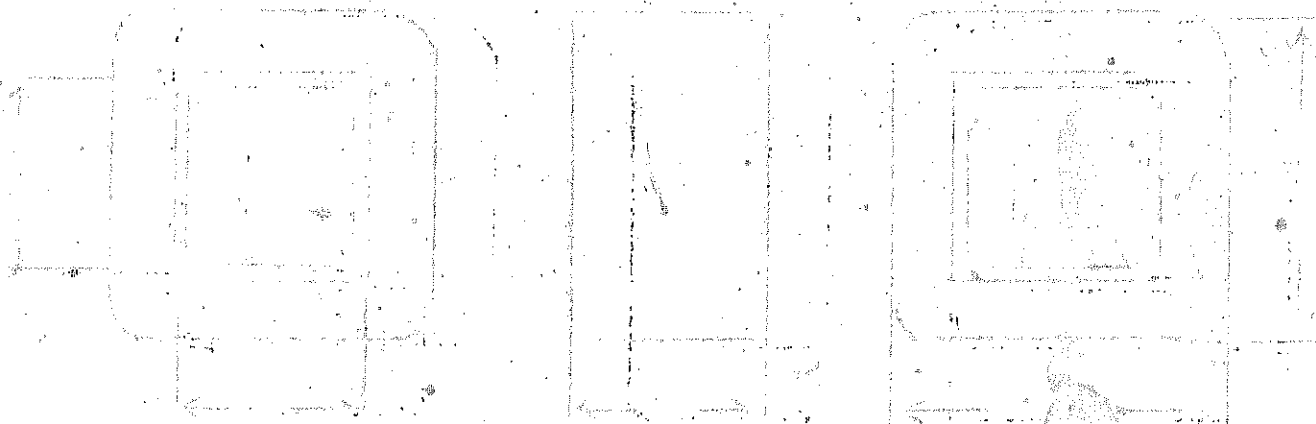
over

096	100	○
080	110	○
070	120	○
060	130	○
00	140	○
2321		○

0190	200	○
0180	210	○
0170	220	○
0160	250	○
0150	230	○
	240	○

MONTA KORABEE

3907
3910



Exp. - 105-115-125

EF₁ - 2.5V - 10 amp CT - 7500 V. Ins

EF₂ - 10V - 8 amp CT

VA = 185

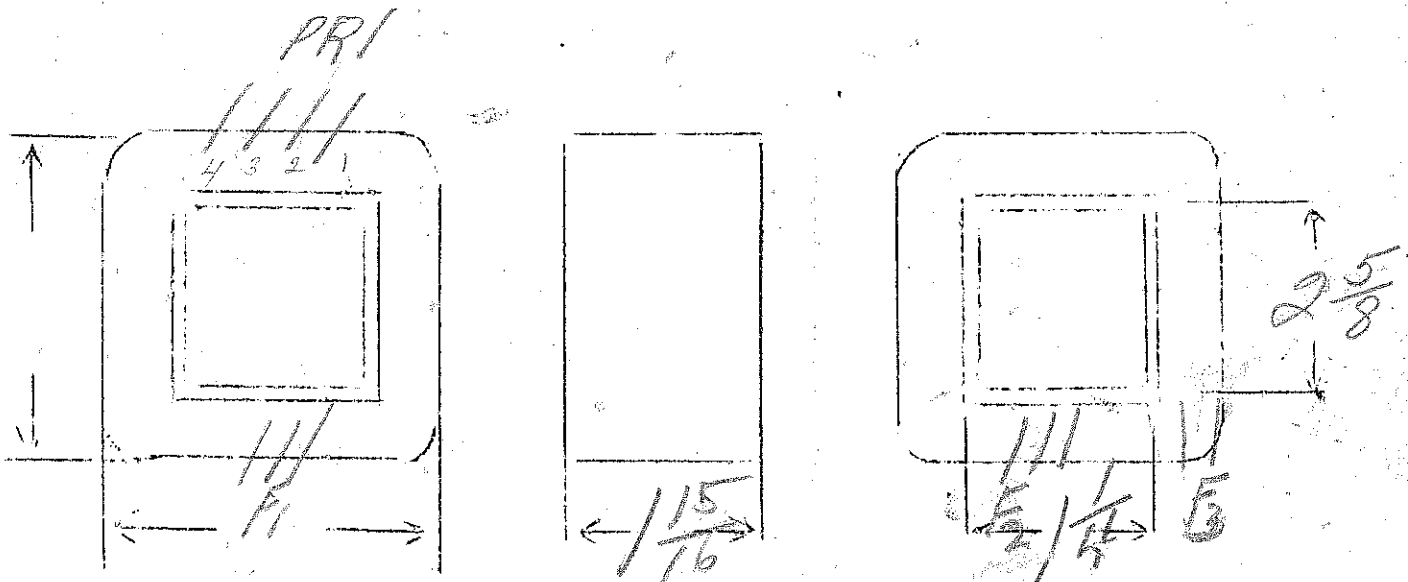
EF₃ - 10V - 8 amp CT

SPEC. NO.

2322

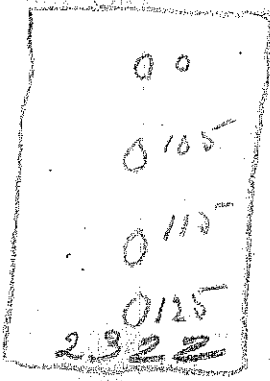
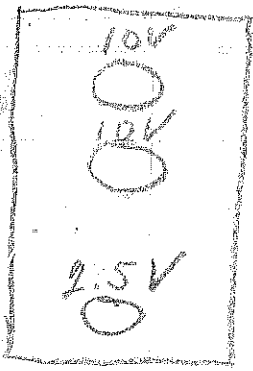
188

Winding	PRI	F ₃	F ₂	F ₁		
Turns	235	20 ^{to 200}	20 ^{to 200}	5		
Taps	217 198	10	10	3		
Wind. Lgth.	1.75	—	—	—		
Wire Size	#19	#13	#13	#12		
T.P.L.	42-6	14	14			
Kind Term.	WIRE ONLY					
Term. Lgth.	3	3	3	3		
Layer Insul.	.007					
Wrapper	2L007GA	2L007GA	2L007VC 2L007GA	2L007VC 2L007GA		
TUBE	7L007	IMPREGNATION			VARNISH	
CURE	1 1/4 x 2 5/8					



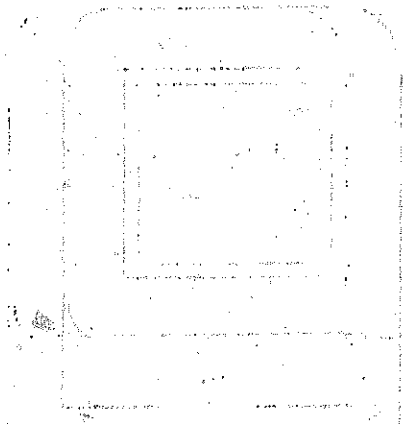
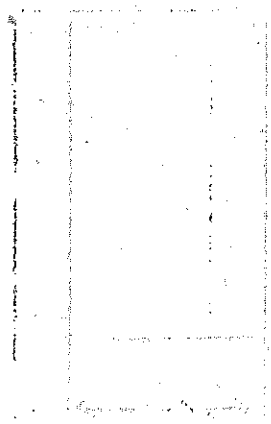
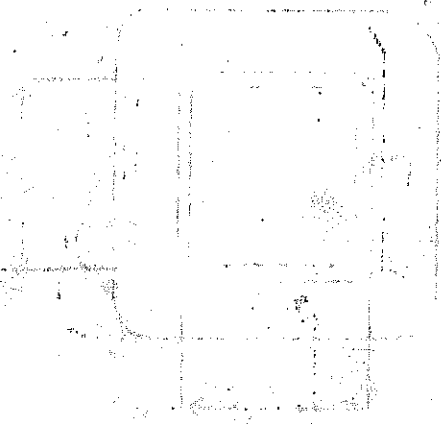
In assembly use 15" #14 motor lead wire on filaments

am



10V
 10V
 2.5V
 00
 0105
 0115
 0125
 2322

VOLTAGE



Ep-115

VA = 750 $N/E =$

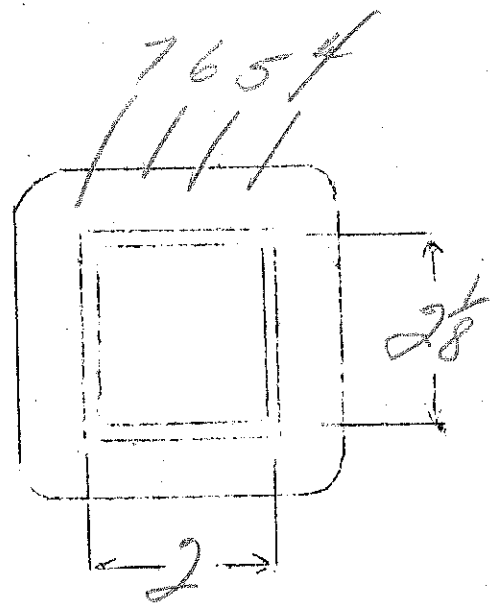
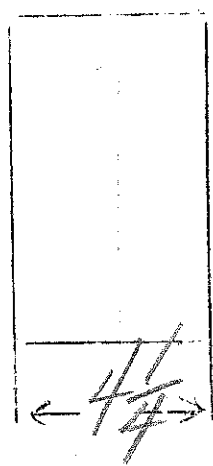
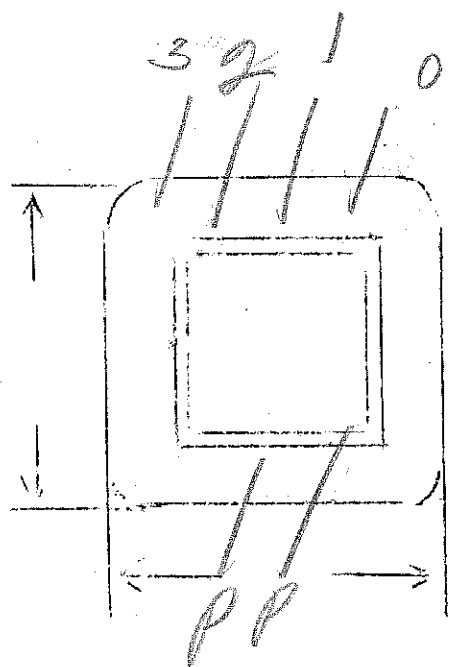
Es - 6-9-12-15-18-21-25V - 30amps

156

SPEC. NO. 2323

Winding	PRI	SEC			
Turns	180	42			
Taps		10-15-20-25-30-35			
Wind. Lgth.	3 7/8	3 7/8			
Wire Size	#12	#10 square	top both wires, use single		
T.P.L.	40-5	4L	10 square as lead		
Kind Term.	WIRE ONLY				
Term. Lgth.	6"	6"			
Layer Insul.		007 Kraft			
Wrapper	3L05GA	3L05GA			
TUBE	102007		IMPREGNATION	VARNISH	
CURE	2 x 2 1/2				

1920 form



lower

Ep - 110 - 125 - 140 - 155 - 170 - 200V

E_s - 1450V - 300mA

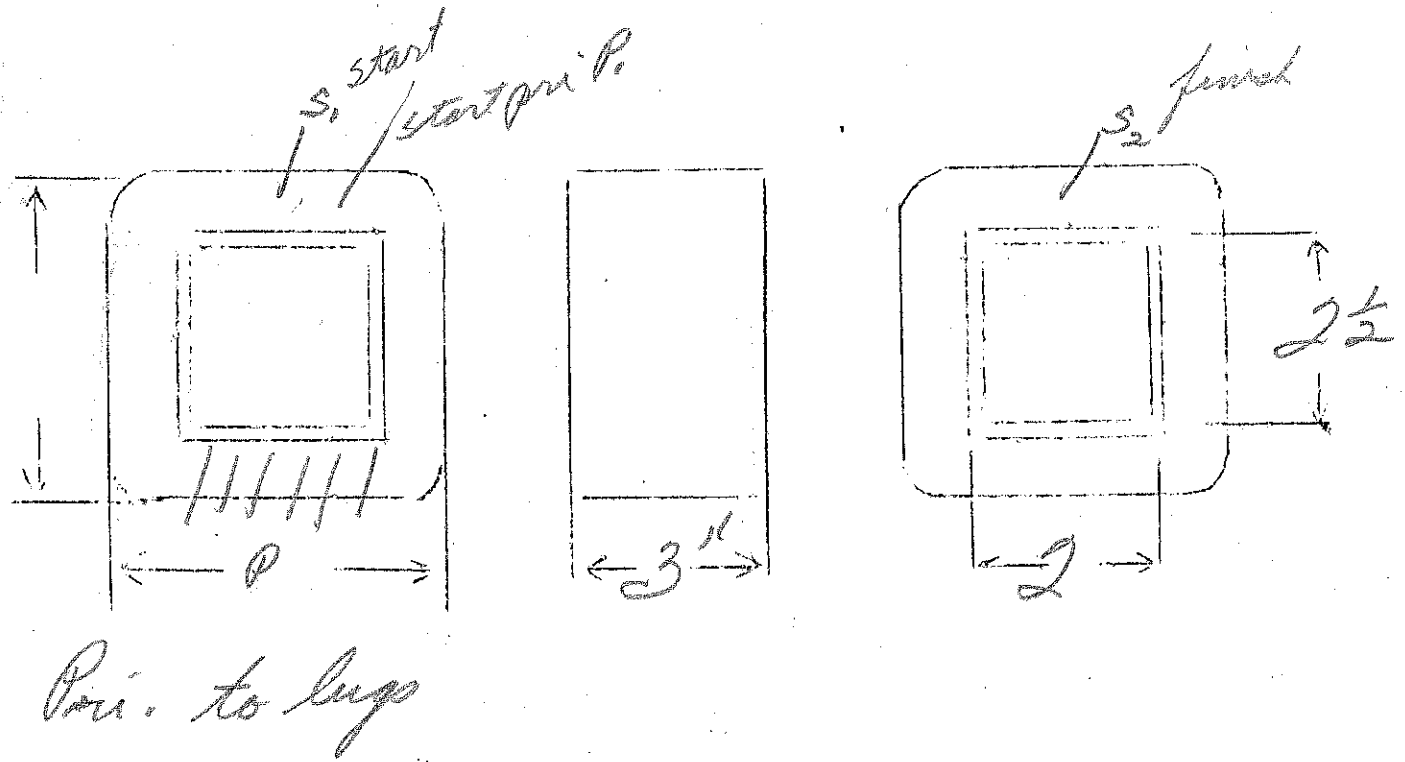
1.3

Continuation

SPEC. NO.

2324

Winding	SEC	SHIELD	PRI			
Turns	1900	125	162	39	59	
Taps	—	—	144	20	33	
Wind. Lgth.	2½	2½	2½	—	—	
Wire Size	#25	#25	#12	#14	#16	
T.P.L.	125-16	125	6L			
Kind Term.	#20 P Braid	NO.	W.O.	W.O.	W.O.	
Term. Lgth.	9"	3"	3"	3"	3"	
Layer Insul.	double 30#		.007 Kraft	.007 Kraft		
Wrapper	2L007VC	2L005GA			2L005GA	
TUBE	10L007 + 1L007VC		IMPREGNATION		VARNISH	
CURE	2x 2½					



EP - 110-115-120-125

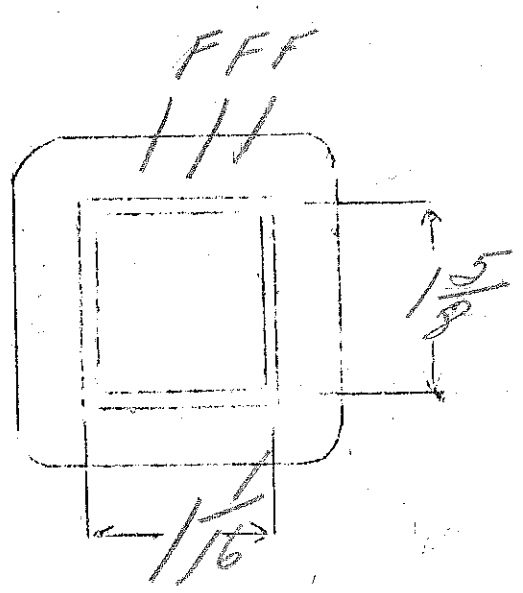
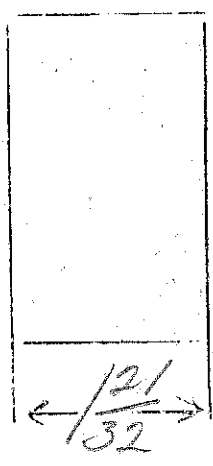
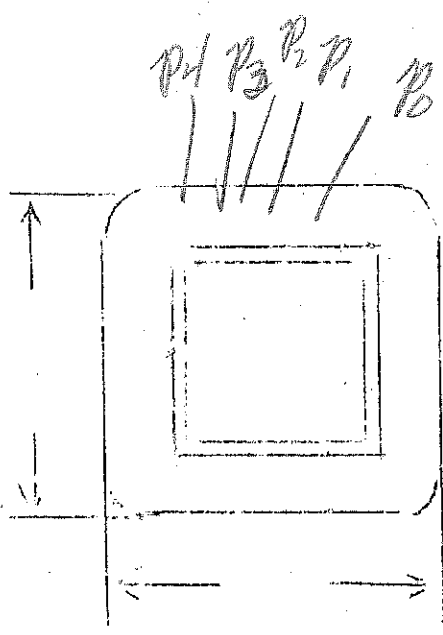
ES - 10V - 8 amp CT

334

SPEC. NO.

2375

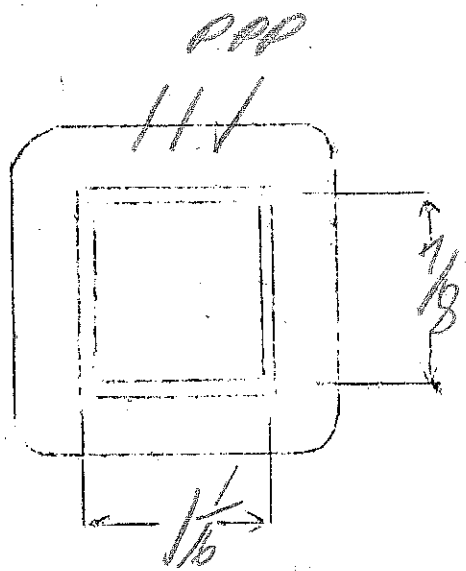
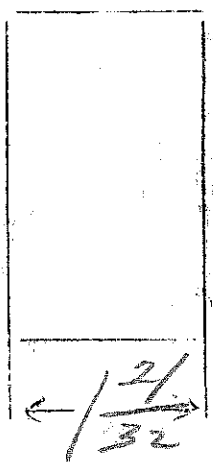
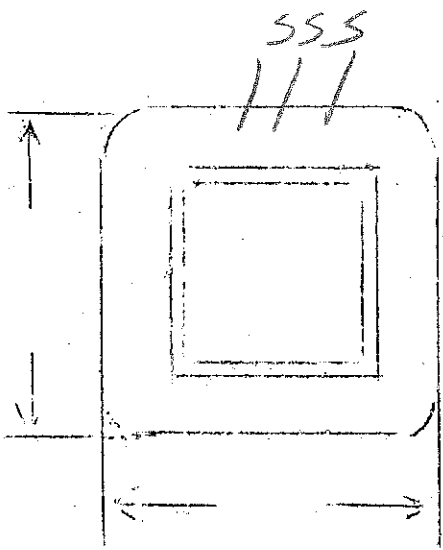
Winding	PRI	FIL				
Turns	418	37				
Taps	385	19				
Wind. Lgth.	115	115				
Wire Size	#22	double #16				
T.P.L.	50-9	3L				
Kind Term.	WIRE ONLY					
Term. Lgth.	3	3				
Layer Insul.	50#	.005				
Wrapper	2L005GA	2L005GA				
TUBE	7L007		IMPREGNATION		VARNISH	
CURE	1/16 x 1/8					



Auto B
2326

SPEC. NO.

Winding	SEC	SHIELD	PRI				
Turns	5000	1	86				
Taps	2500		43				
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{15}{32}$				
Wire Size	#34	Shin Stick	#17				
T.P.L.	192-26		29-3				
Kind Term.	#10 PBR	SILK	WIRE ONLY				
Term. Lgth.	9"	3"	9"				
Layer Insul.	double 16#		.005				
Wrapper	1600 NC 20 MC	260056A	260056A				
TUBE	76007			IMPREGNATION		VARNISH	
CURE	1 7/8 x 7/8						



Ep = 105-115-125

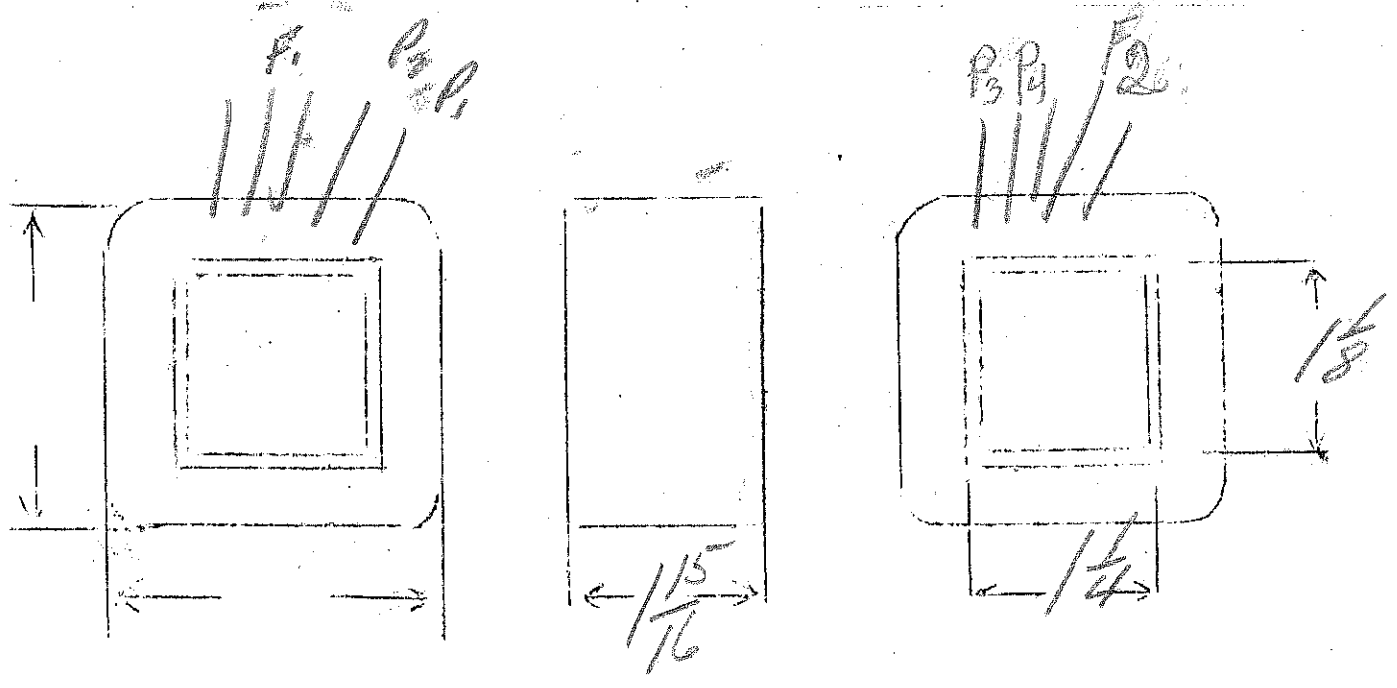
Es₁ - 10V.C.T. - 7amp

3500 rps

Es₂ - 7.5V.C.T. - 3.5amp

SPEC. NO. 2327

	P	white F ₁	Green F ₂		
Winding	P	F ₁	F ₂		
Turns	500	44	33		
Taps	460-420	22	17		
Wind. Lgth.	1.75				
Wire Size	#21	#14	#17		
T.P.L.	53-10				
Kind Term.	#022	WIPE ONLY	WIPE ONLY		
Term. Lgth.	9"	9"	9"		
Layer Insul.	50#				
Wrapper	26076A	26076A	26076A		
TUBE	76077	IMPREGNATION		VARNISH	
CURE	1 1/4 x 1 1/8				



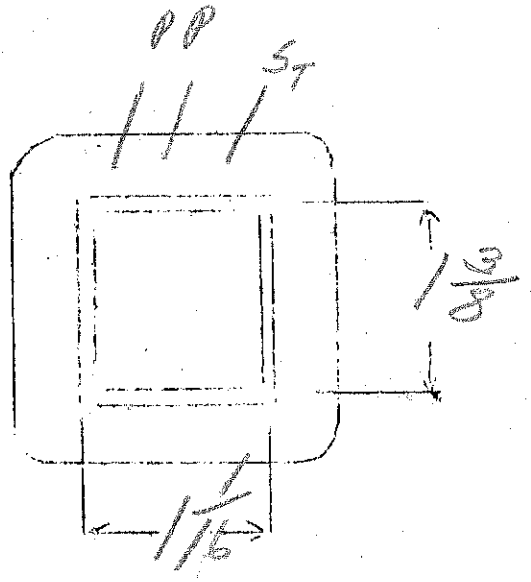
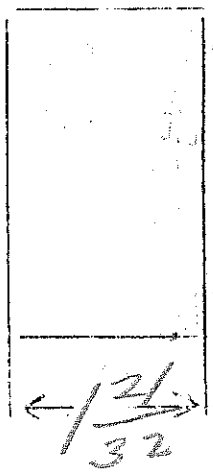
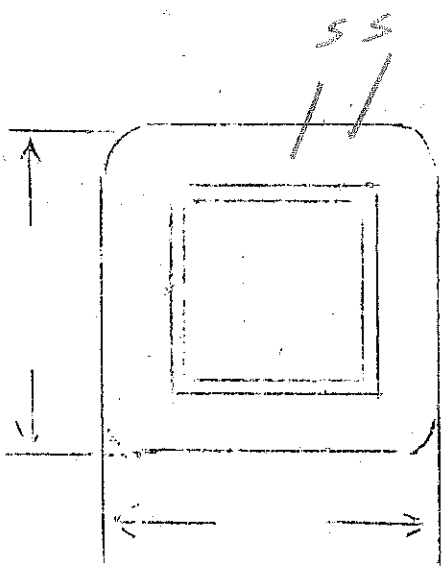
Ep - 115
 Es - 764
 Ef1 - 55V
 Ef2 - 7tap 6.25

open circuit vty

same as Inca 4881

SPEC. NO. 2328

Winding	SEC	SH	PRI	F1	F2		
Turns	3100	1	460	22	28		
Taps	1550		—	—	25		
Wind. Lgth.	1 $\frac{15}{32}$	1 $\frac{15}{32}$	1 $\frac{15}{32}$				
Wire Size	#33	3/16" STICK	#24	#20	#19		
T.P.L.	173-18		60-8				
Kind Term.	#20 PBR	sil Br	#20 PBR	WIPE ONLY			
Term. Lgth.	9	3	9	9	9		
Layer Insul.	Daybell 16#		double 20#	—	—		
Wrapper	1007W	1007W	21005GA	21005GA	21005GA		
TUBE	7L007			IMPREGNATION	VARNISH		
CURE	1 $\frac{1}{6}$ x 1 $\frac{3}{8}$						



Ep - 230V

Es - 800VCT (open) 50 MA

EF₁ - 5.6V - 2amps

EF₂ - 6.9V - 2amp

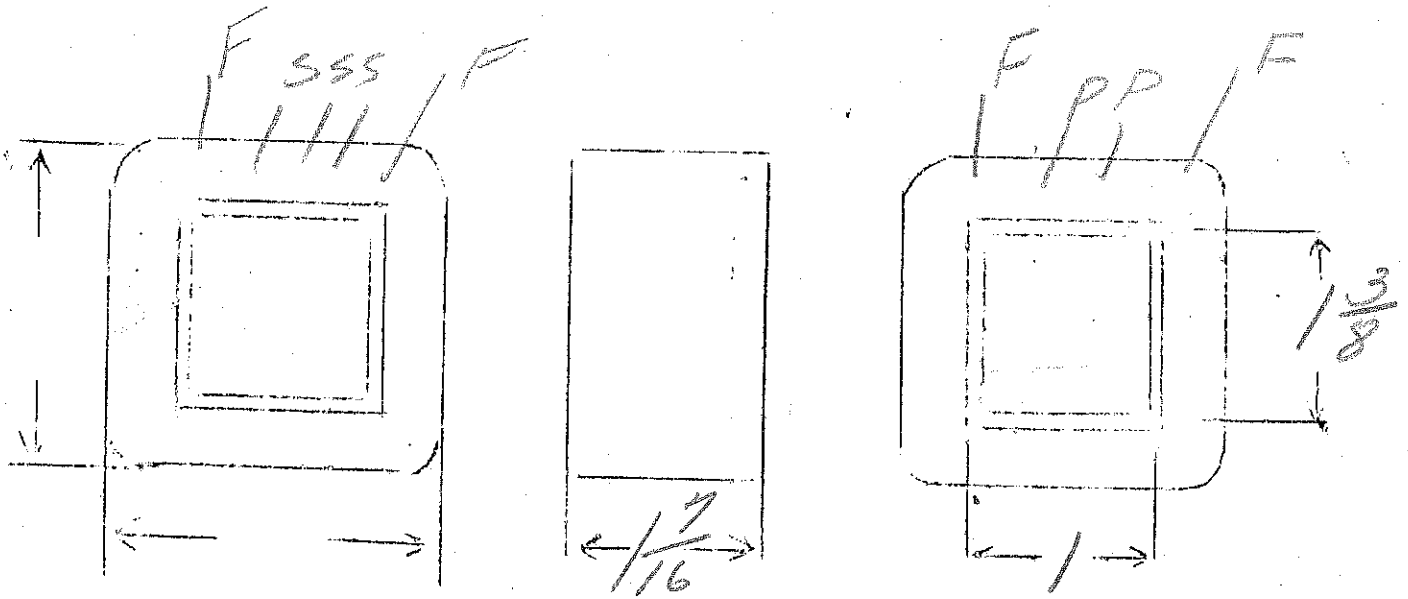
4/15

SPEC. NO.

2329

(Same as 2275 except for primary)

Winding	SEC	SHIELD	PRI	Blue F ₂	Green F ₁		
Turns	3300	96	960	29	23		
Taps	1650		—	—	—		
Wind. Lgth.	1.25	1.25	1.25	—	—		
Wire Size	#36	#29	#29	#20	#21		
T.P.L.	207-16	96	96-10				
Kind Term.	#20 Pwr Br	W.O.	#20 Pwr	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#	—	40#	—	—		
Wrapper	1007VC	1007VC	2105GA	2105GA	2105GA	Double VARNISH	
TUBE	52007+146A			IMPREGNATION		VARNISH	
CURE	1 x 1 3/8						



Block 15707
 Ep-118-150-230-250

E3-800V (open)

(Same as 2275 except for primaries)

E4-5.7V-2amps

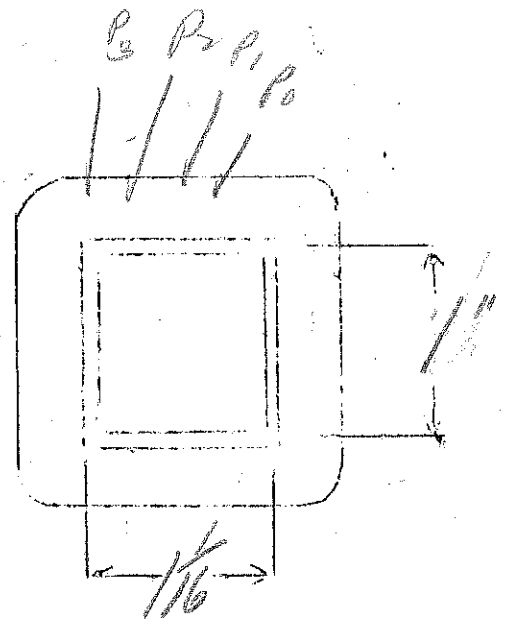
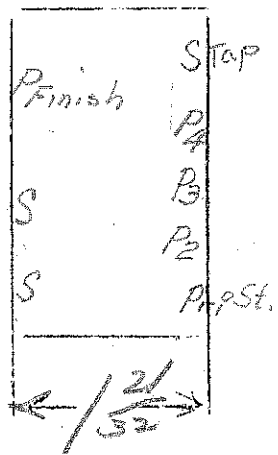
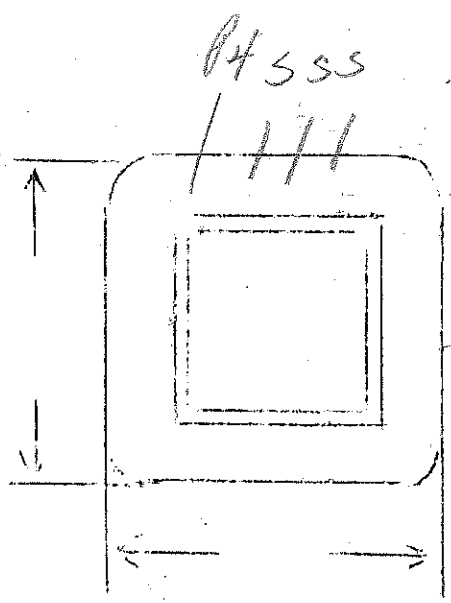
545

SPEC. NO. 2330

E5-7.1V-2amps

Continuous

Winding	SEC	SHIELD	PR1			F1	F2
Turns	4360	80	640	178	545	31	39
Taps	2180		-		436		
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{15}{32}$	-	-	-	-
Wire Size	#36	#26	#26	#27	#29	#20	#20
T.P.L.	244-18	80	80-8	89-2	111-5		
Kind Term.	#20 P on	N.O.	#20 P on	WIRE ONLY			
Term. Lgth.	9	3	9	9	9	9"	9"
Layer Insul.	double 16H	1	40#	40#	40#		
Wrapper	1L007VC	1L007VC				2L005GA	2L005GA
TUBE	5L007HLGA			IMPREGNATION VARNISH			
CURE	$1\frac{1}{16} \times 1$						



5V - Green
 6.3V - Red

Brown yellow red white green
 Sp - 115 - 125 - 220 - 250 50-60V

ES - 690V (open) C.T. - 150Ma

N/E = 207

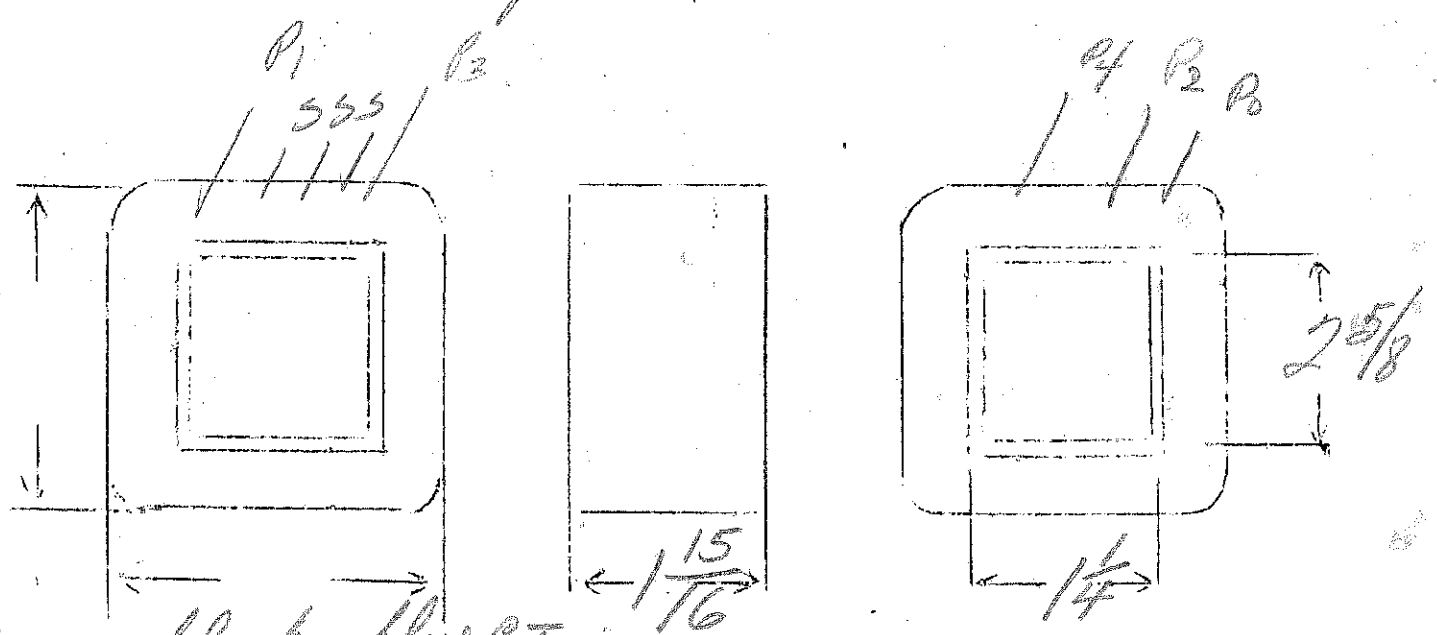
EF1 - 6.3V - 45 amps

EF2 - 5V - 3 amp

Continuum

SPEC. NO. 2340

Winding	SEC	SHIELD	PRI	PRI	F ₁	F ₂
Turns	1420	1	259	259	11	14
Taps	710	-	238	197		
Wind. Lgth.	1.75	1.75	1.75	1.75		
Wire Size	#29	shim stock	#20	#24	#17	#15
T.P.L.	130-120		48-6	70-4		
Kind Term.	#20 Par. Par	Sel Br	#20 Par Br		WIRE ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 30		double 40#			
Wrapper	2607VC 31.62	1600VC		2607EA		2607EA
TUBE	7607			IMPREGNATION		VARNISH
CURE	1 1/4 x 2 3/8			Synsma Grade		



Sec - black, blue CT
 6.3V - green
 5.0 - yellow

flange cover - SA mtg
 dimensions 1 3/8" c-c

Ep ^{Brown yellow} 0 - 115 - 125 - 220 - 250

Es - 660 VCT - 85 MA

Ef - 5V - 3 amp

Ef - 6.3V - 4 amp

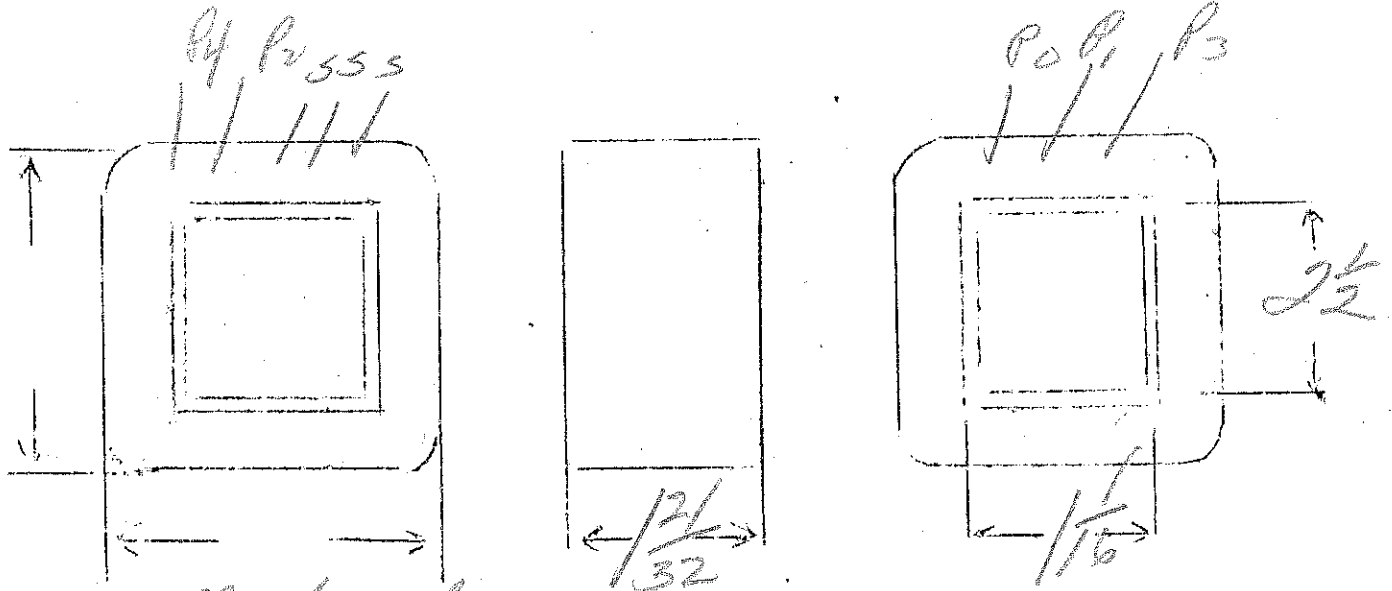
see 2317

2/2

SPEC. NO.

234

	Continuum yellow					
Winding	SEC	SHIELD	PRI	PRI	F ₁	F ₂
Turns	1670	1	304	304	13	16
Taps	835	—	280	232	—	—
Wind. Lgth.	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	$\frac{15}{32}$	—	—
Wire Size	#32	54M 340CK	#22	#26	#19	#16
T.P.L.	150-12	1	78-7	78-4		
Kind Term.	#20 Par Br	sil Br	#20 Par Br	Par Br	WIRE ONLY	
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#	—				
Wrapper	1007VC	1007VC		2105GA		2105GA
TUBE	7007				IMPREGNATION	double varnish
CURE	1/6 x 2 1/2					Dynamo Grade



Sec - Black, Blue CT.
6.3V - Green
5.0V - yellow

2341

$E_p = 115 - 230$ Volls

$E_s - 11V - 8amp CT.$

$E_{s2} - 2.5V - 12amp CT.$

5000 volt

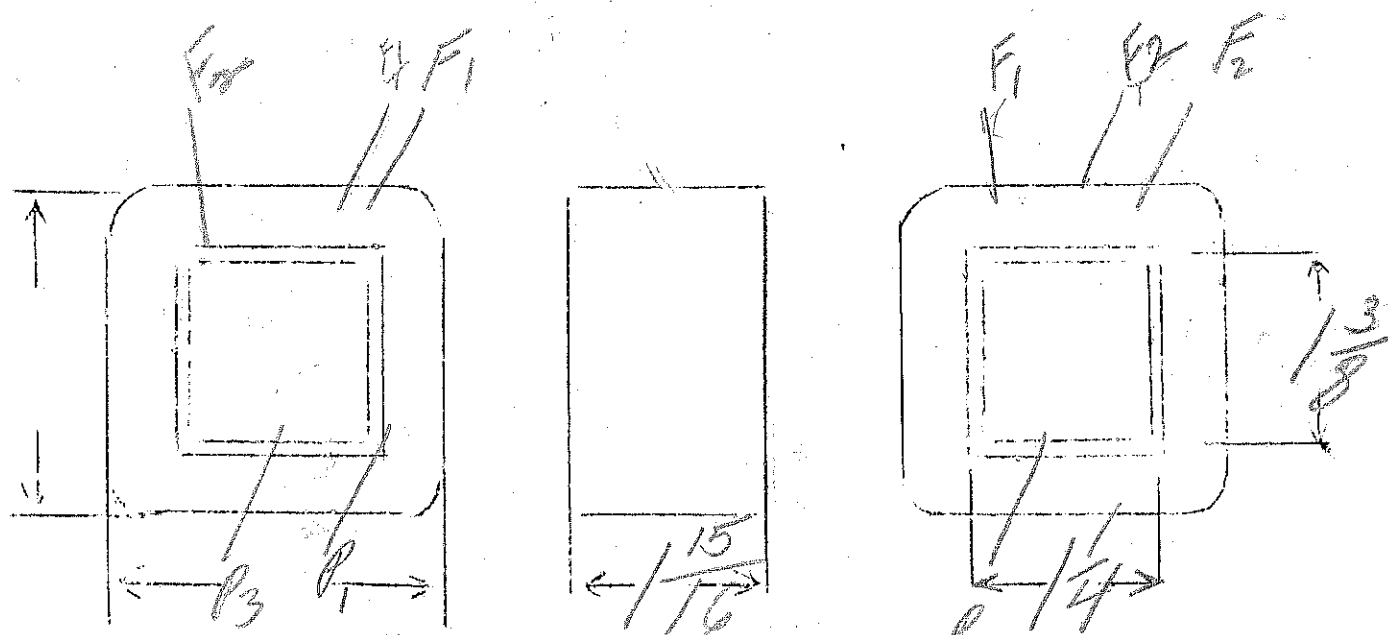
SEL# 1807F

33

SPEC. NO.

2342

Winding	PR1		F1	F2			
Turns	380	380	36	9			
Taps	—	—	18	5			
Wind. Lgth.	1.75	1.75					
Wire Size	#21	#24	#14	double 15			
T.P.L.	55-7	76-5					
Kind Term.	WIPE	ONLY					
Term. Lgth.	3	3	3	3			
Layer Insul.	50#	50#					
Wrapper		210055A	21007VC	21007VC			
		21007GA	21007GA	21007GA			
TUBE	7L007				IMPREGNATION		VARNISH
CURE	1/4 x 1/8						



0230
0115
00
2342

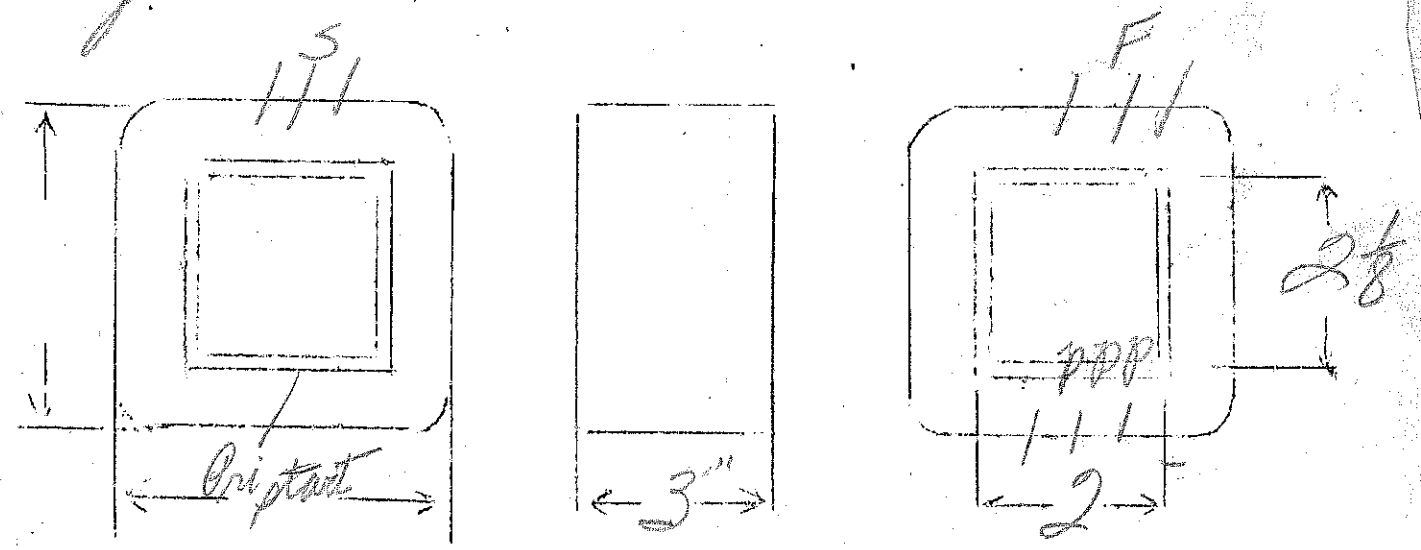
2.5 CT
0
11V CT
0

P - 405-115-125V
 E_S - 2500V - 2400V tap - 200 ma (half wave lead) see 2066
 E_F - 5V.C.T. - 10 amperes

SPEC. NO. 2343

Winding	SEC	PRI	FIL				
Turns	3760	178	8				
Taps	3620	165	4				
Wind. Lgth.	2 7/16	150					
Wire Size	#27	#13	#11 Flat Ribbon				
T.P.L.	145-26	6L		START + FINISH RIBBON			
Kind Term.	#20 PBR	WIPE ONLY	WIPE ONLY	C.T. - (Black Pw #16 - 12' long)			
Term. Lgth.	12"	3'					
Layer Insul.	double 40#	007 Kraft					
Wrapper	3L005CA	2L005GA	3L005GA				
TUBE	10L007			IMPREGNATION		VARNISH	
CURE	2X 2 1/2 SHORT Dynamo Grade						

ground sec start



SEC leads
 FIL leads
 sup

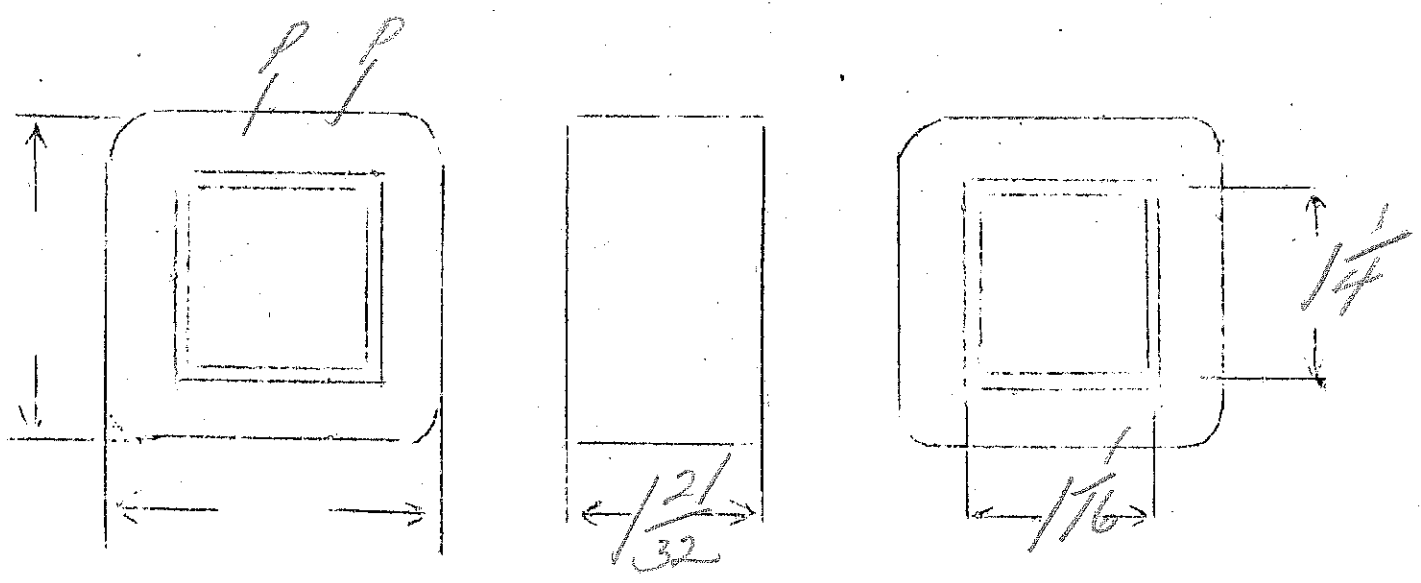
(OVER)

$E_p - 110 = 120$
 $E_{F1} = 5V - 5 \text{ amps}$
 $E_{F2} = E_E = 6.3V - 35 \text{ amps}$

$\frac{N}{F} = 43\frac{1}{4}$
 Green Blue White

SPEC. NO. 2344

	PRI	F ₁	F ₂	F ₃				
Winding	PRI	F ₁	F ₂	F ₃				
Turns	522	24	30	30				
Taps	480	12	15	15				
Wind. Lgth.	$\frac{15}{32}$	—	—	—				
Wire Size	#23	#16	#17	#17				
T.P.L.	55-10							
Kind Term.	#20 Par Br	WIRE ONLY						
Term. Lgth.	9"	9"	9"	9"				
Layer Insul.	40#	—	—	—				
Wrapper	3L005GA	3L005GA	2L005GA	2L005GA				
TUBE	7L007	IMPREGNATION			VARNISH			
CURE	$\frac{1}{16} \times \frac{1}{4}$							



Ep - two windings 120 volt for series or parallel connection

E5 - 680V (open) CT - 85MA

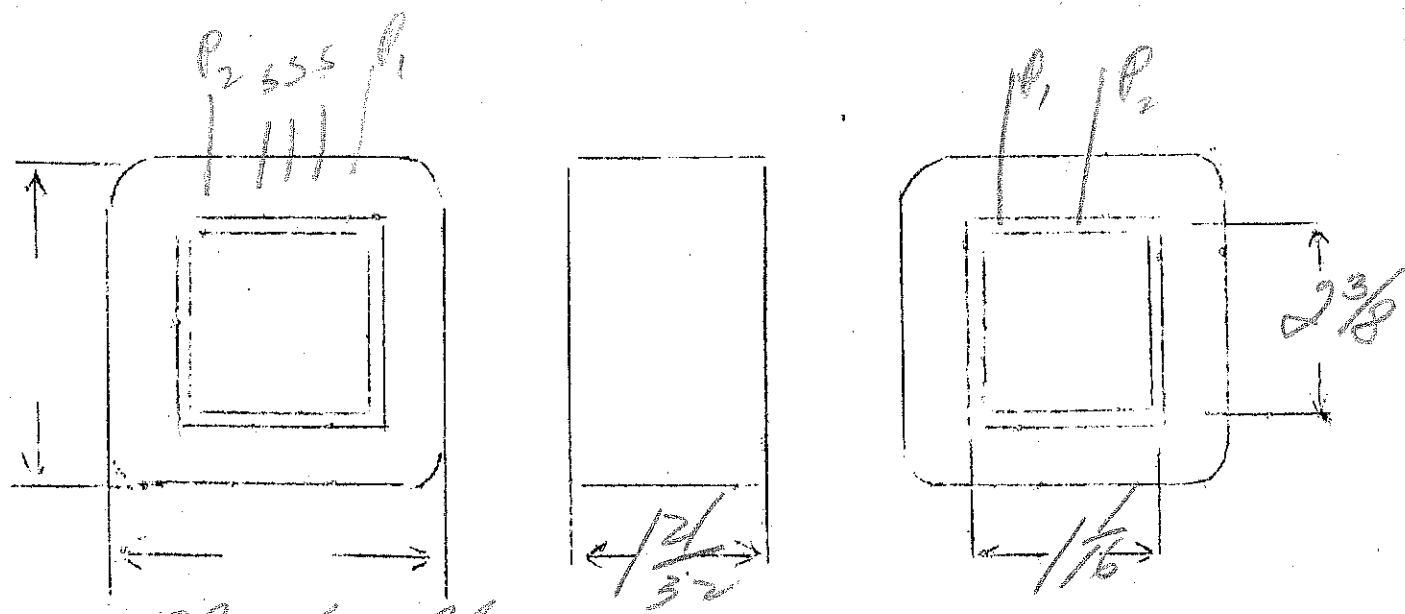
EF - 5V - 3amp

EF - 6.3V - 4amp 2.58

SPEC. NO.

2345

Winding	SEC	SHIELD	PRI ₁	PRI ₂	F ₁	F ₂
Turns	1780	1	310	310	14	17
Taps	890		—	—	—	—
Wind. Lgth.	$\frac{1}{2.2}$	$\frac{1}{3.2}$	$\frac{1}{3.2}$	$\frac{1}{3.2}$		
Wire Size	#32	shim	#24	#24	#19	#16
T.P.L.			63-5	63-5		
Kind Term.	#20 Par Br	sil Br	#20 Par Br	WIRE ONLY		
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	double 16#		double 20#			
Wrapper	1007VC	1007VC	1007VC	20056A		20056A
TUBE	7007			IMPREGNATION		VARNISH
CURE	$1\frac{1}{6} \times 2\frac{3}{8}$					



Sec - Black, Blue CT

6.3 - Green

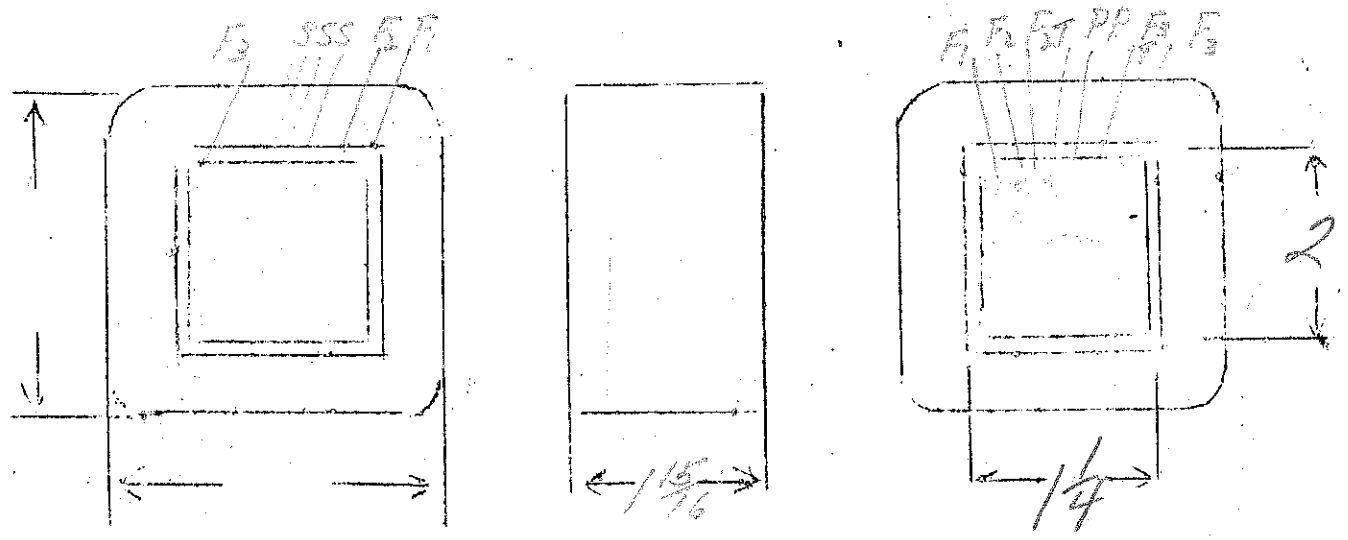
5.0 - yellow

Pri - starts - brown, finishes green

EP 115V 50~
 Es 700VCT 200ma
 EF 5K 3A
 EA 6.3V 2A CT
 EB 6.3V 5A CT

SPEC. NO. #2346

Winding	Sec	Shield	Pri	gran F ₁	white F ₂	Blue F ₃
Turns	1700	123	260	12	15	15
Taps	850	—	—	—	7	7
Wind. Lgth.	1.75	1.75	1.75			
Wire Size	#29	#29	#20	#18	#20	dpl #19
T.P.L.	123-14	123	45-6	—	—	—
Kind Term.	#20 P Braid	Sil Bra	#20 P Braid	WIRE ONLY		
Term. Lgth.	9"	3"	9"	9"	9"	9"
Layer Insul.	30#		50#			
Wrapper	2L007VC #L Glass 100	2L007VC	2L007GA	"	2L007GA	2L007GA
TUBE	2L007 + 1L007VC		IMPREGNATION		Varnish	
CURE	1/4" X 2					



Primary 120V - 60~

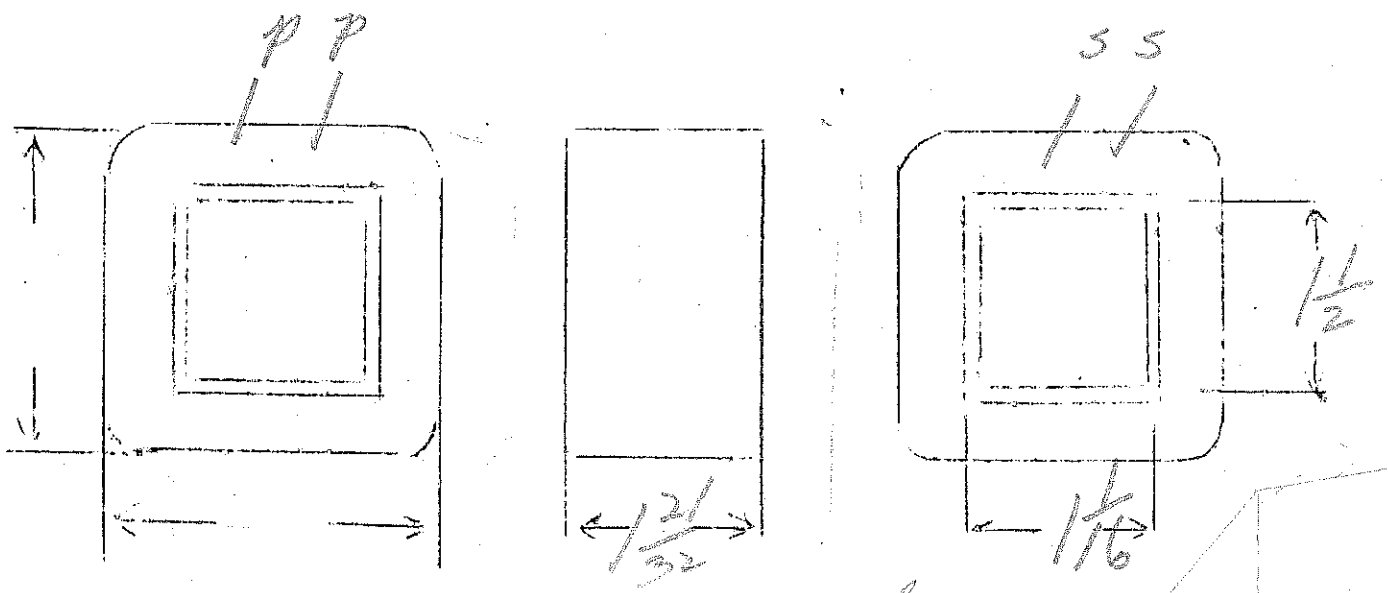
VA = 88 watts

E - 6.3V - 14 amps

$N/E = 3.6$

SPEC. NO. 2347

Winding	PRI	SEC				
Turns	435	25				
Taps	-	-				
Wind. Lgth.	$1 \frac{15}{32}$	$1 \frac{15}{32}$				
Wire Size	#22	#11				
T.P.L.	50-9	3L				
Kind Term.	#20 Pm B	W.O. Slewing				
Term. Lgth.	12"	12"				
Layer Insul.	50#					
Wrapper	210056A	210056A				
TUBE	71007		IMPREGNATION		VARNISH	
CURE	$1 \frac{1}{16} \times 1 \frac{1}{2}$					



'A' mty - to be filled with compound

EP-120V-60w

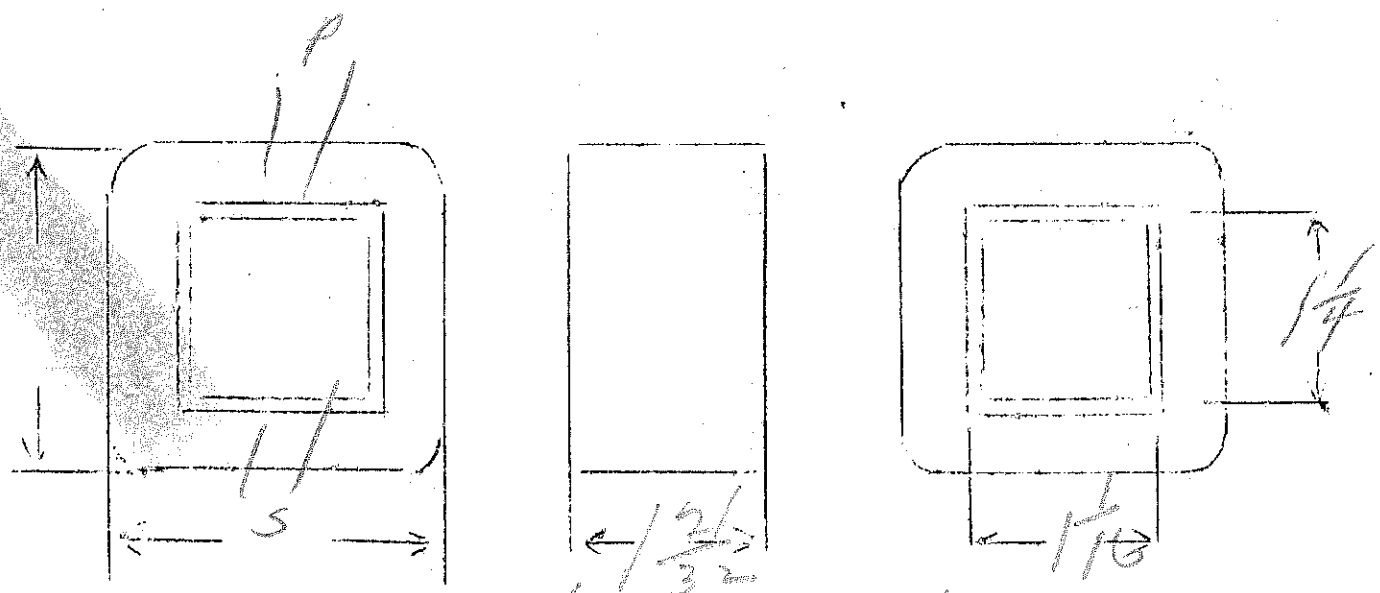
VA=63

EF-6.3V-10amp

ME-435

SPEC. NO. 2348

Winding	PRI	SEC					
Turns	520	30					
Taps	—	—					
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂					
Wire Size	#23	#12					
T.P.L.	53-10						
Kind Term.	#20 Paper	W.O. slitting					
Term. Lgth.	12"	12"					
Layer Insul.	50#						
Wrapper	210056A	210056A					
TUBE	76007		IMPREGNATION			VARNISH	
CURE	1 ¹ / ₁₆ X 1 ¹ / ₄						



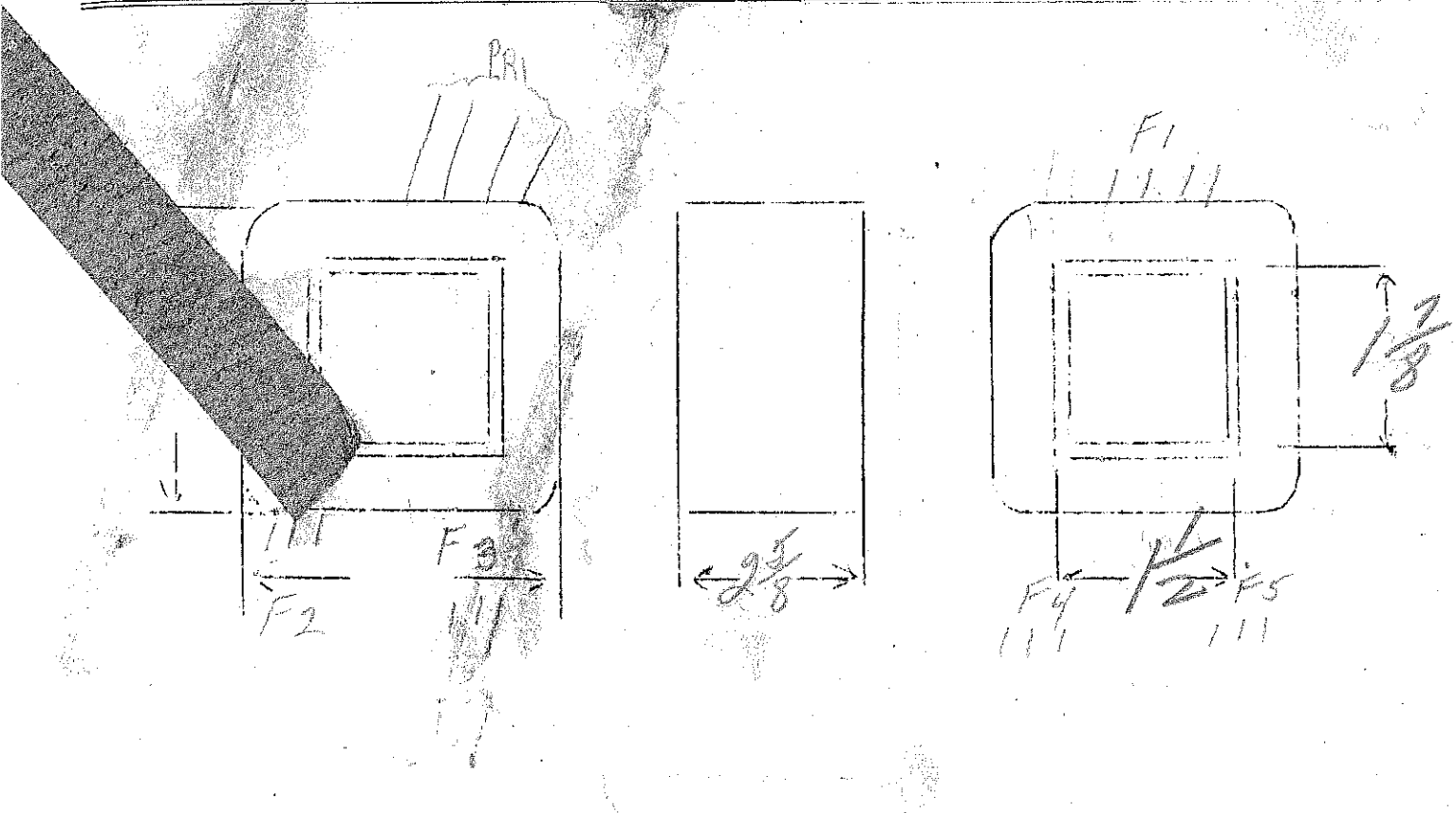
"A" MTG - to be filled with compound

Ep - 110-115-120
 Es₁ - 11V, tap 10,5 - 8amp
 EF₂ - 5V - 16amp CT
 EF₃ - 25V.C.T. - 10amp
 EF₄ - EF₅ - 25V.C.T. - 5amp full
 157M
 DWS

VA = 218 watts
 N/E = 22

SPEC. NO. 2349

Winding	PR1	F ₁	F ₂	F ₃	F ₄	F ₅
Turns	266	26	12	6	6	6
Taps	255	24	6	3	3	3
Wind. Lgth.	244	72				
Wire Size	#18	#12	#13	#15	#15	#15
T.P.L.	64	12	12			
Kind Term.	WIRE	ONLY				
Term. Lgth.	3	3	3	3	3	3'
Layer Insul.	.007	Kraft	4/007VC	4/007V		
Wrapper	2/007EA	2/007EA	2/007EA	2/007EA		4/007V 2/007EA
TUBE	4/007				IMPREGNATION	VARNISH
CURE	1/2 x 1/8					



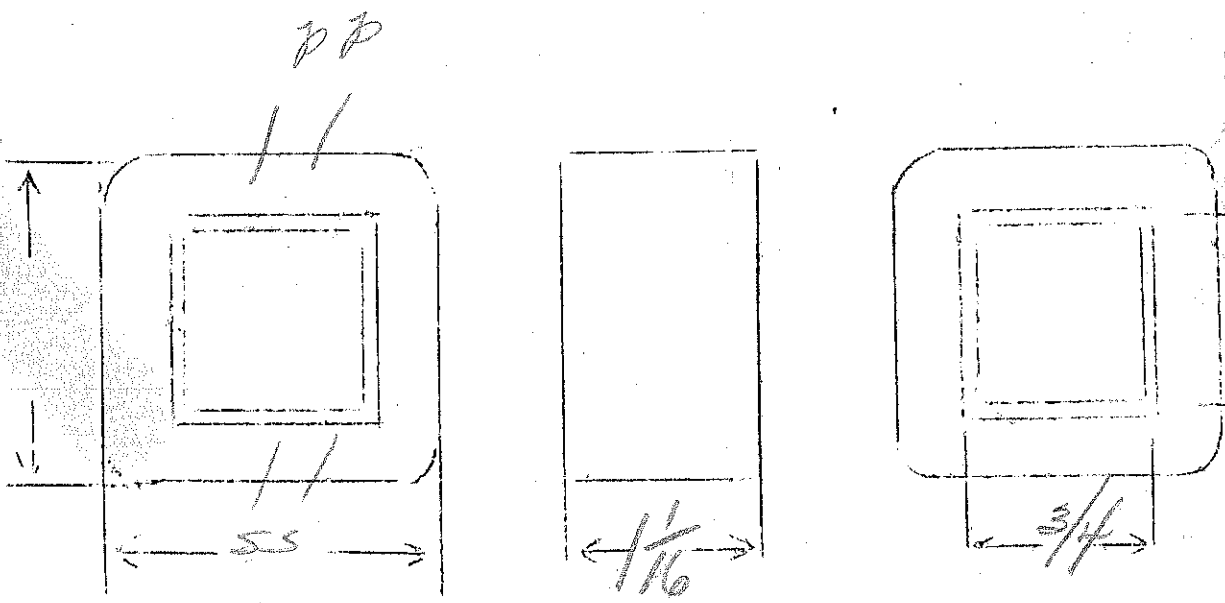
$E_p - 120V - 60Hz$
 $E_s - 6.3V - .6 \text{ amps}$

VA = 4 watts

$N/E = 10$

SPEC. NO. 2350

Winding	PRI	SEC				
Turns	1200	72				
Taps	—	—				
Wind. Lgth.	$7/8$	$7/8$				
Wire Size	#33	#23				
T.P.L.	101-12	31				
Kind Term.	#20 Pwr Wr	#20 Pwr Wr				
Term. Lgth.	12"	13"				
Layer Insul.	30#	—				
Wrapper	21056A	21056A				
TUBE	76007		IMPREGNATION		VARNISH	
CURE	$3/4 \times 3/4$		$26 \text{ hr } 2 \times 2$			



special mtg - compound filled cans.

Ep-118V-25N

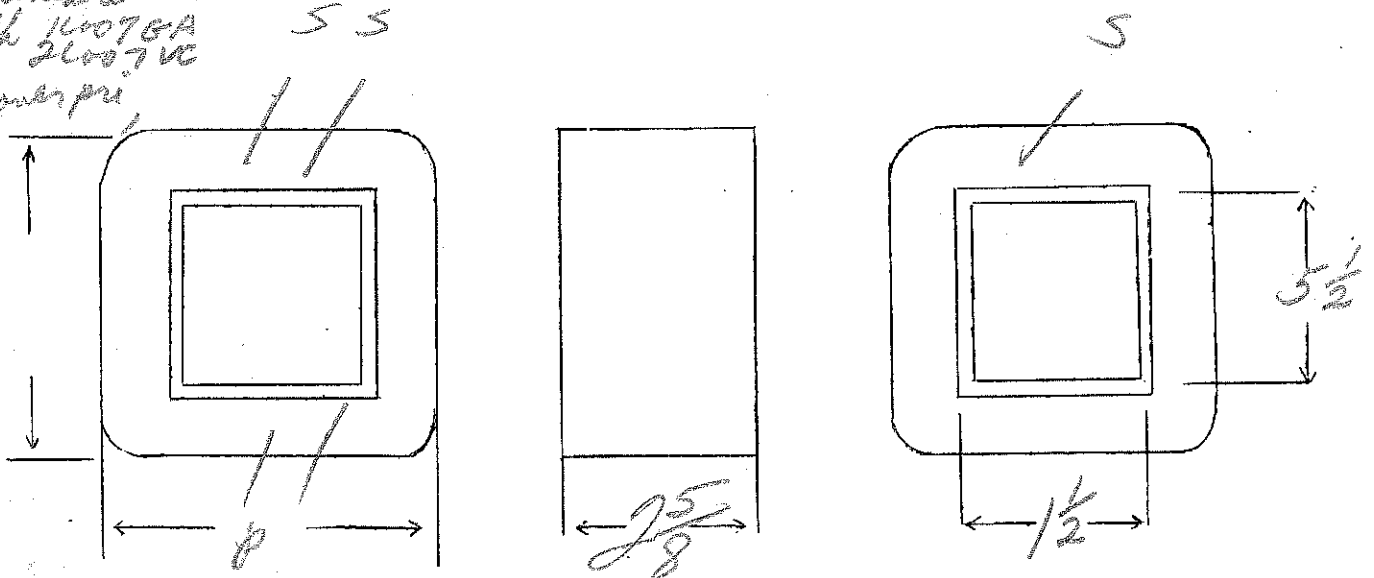
ES - 2500V.C.T. - 300 MA

SPEC. NO. 2351-25N

Winding	SEC	PRI					
Turns	3500	148					
Taps	1750	-					
Wind. Lgth.	2 ⁵ / ₁₆	✓					
Wire Size	#27	#15					
T.P.L.	136-26	4L					
Kind Term.	Rubber wired	WIRE ONLY					
Term. Lgth.	12+24	3"					✓
Layer Insul.	double 307	007					
Test Volt.	5000 (before)						
Wrapper	21007VE 21005GA	21007VE					
TUBE	9L007F 21007VE		IMPREGNATION	VARNISH			
CORE	1/2 x 5 1/2		PRIMARY V.A.				
MOUNTING	SF - Cadmium						

In assembly, ground sec. C.T. to core

Panel in S. wind for sec.
leads - insulate under
Panel with 21007GA
which is over pri.
under sec
leads



SIGNED BY

GW

DATE

1/18/37

$E_p = 115 \text{ V. } @ 60 \text{ Hz}$
 $E_s = 2500 \text{ V. C. T. } - 500 \text{ Ma. (Average)}$

(replacing 894)

DISTRIBUTION PLATE TRANSFORMER

$M_H = 1.25$

SPEC. NO. 2551

Winding	SEC	PR				
Turns	3400	148			5000 V Breakdown	
Taps	1700	—				
Wind. Lgth.	2 1/4"	2-5/16"				
Wire Size	#27	#15				
T. P. L.	132-26L	37-4L				
Finish	89 1/2%	94%				
Type Lead	Rubber Covered	W. O.			Cut motor cable 14" and 27"	
Lead Lgth.	12 - 24"	3"			Finishers - Silver Braid cut 4", or w.o.	
Layer Insul.	Double 307	.007" Kraft			Use Vinylite tubing up sides of coil.	
Test Volt.	5,000V.	1500V.				
Wrapper	2L.007VC 4L.007GA	2L.007CA				

TUBE	7L.007 + 2L.007VC	IMPREGNATION	VARNISH
------	-------------------	--------------	---------

CORE 1 1/2 x 3 1/2 (N.S.D. GA. 24	GRADE D	STACK 2x2
-----------------------------------	---------	-----------

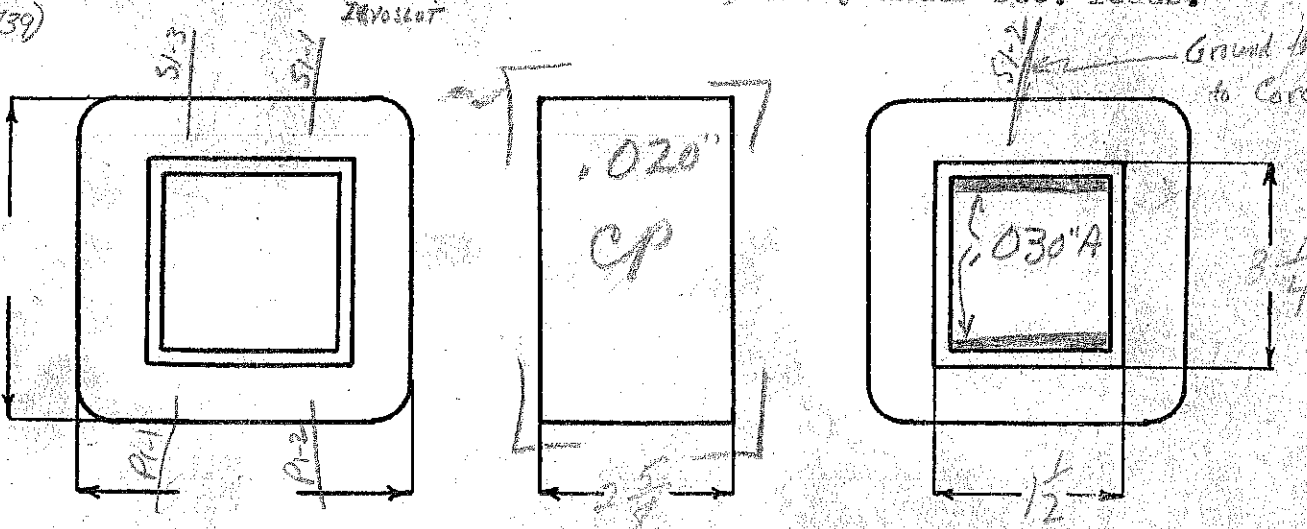
MOUNTING GS (6" Case for Primary; 5" with Motor Leads on Sec.)

$C_{1118} = 750$
 $F_c = 68 @ 60N$
 $r_{M1} = 1.288$
 $WV = .754 (.739)$

In assembly, ground sec. C. T. to core

Put panel in single winding for sec. leads. Be sure to insulate under panel with 2L.007VC which is over primary under sec. leads.

$SEC. VA = 375$
 $PR. VA = 500$
 $PAI. I = 4.35A.$



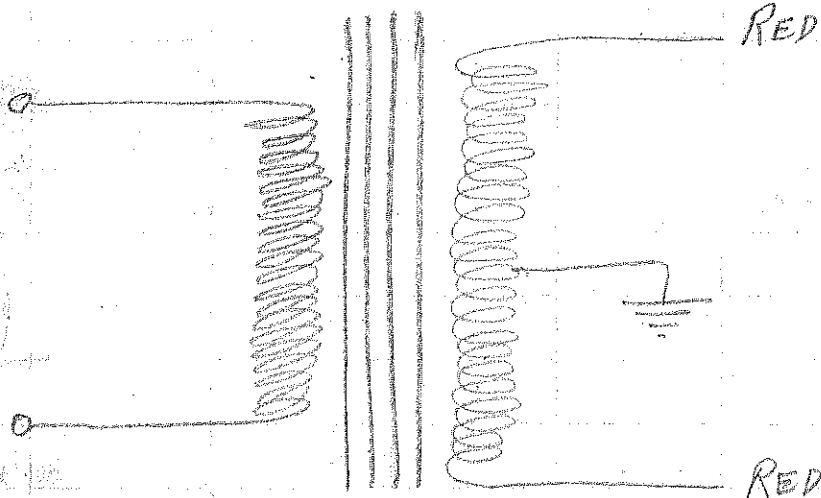
DESIGNED BY

 HHH

DATE 1/18/37

2351-68

9475



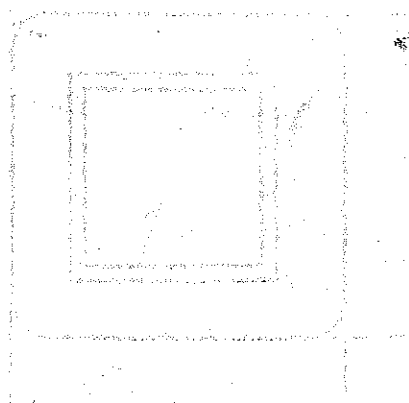
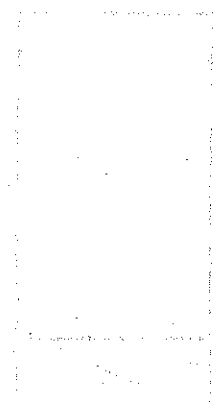
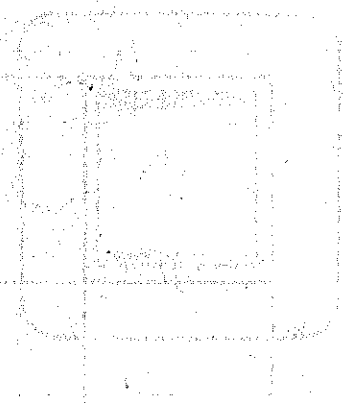
Prim 11 Volts

(Test meter 50V scale)

Sec 250

(" " 500V scale)

Cur = 45-50 ma

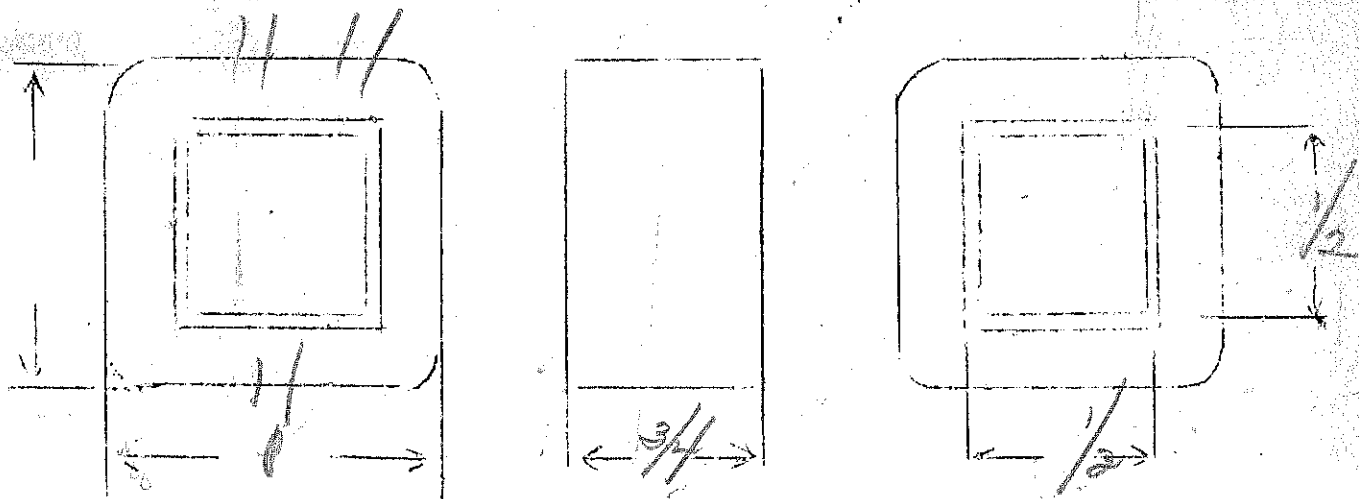


112 to two 50 winding spec

SPEC. NO. 2352

Winding	5	5	P				
Turns	185	185	8				
Taps	—	—	—				
Wind. Lgth.	5/8	5/8					
Wire Size	#31	#31	#32 Carbon				
T.P.L.	58-4	58-4					
Kind Term.	Silver		same				
Term. Lgth.	31	3"	3"				
Layer Insul.	30#	30#					
Wrapper	2L005VP	2L005GA	2L005GA				
TUBE	4L007			IMPREGNATION	VARNISH		
CURE	1/2 x 1/2	29 Ga	2x2				

no panel
5



$E_p = 120-115$ volts

V.A. = 130

$E_{F1} = 25V, .3amp$

$E_{F4} = 6V, 10amps$

$E_{F2} = 6.3V, .3amp$

$E_{F3} = 6V, 10amp$

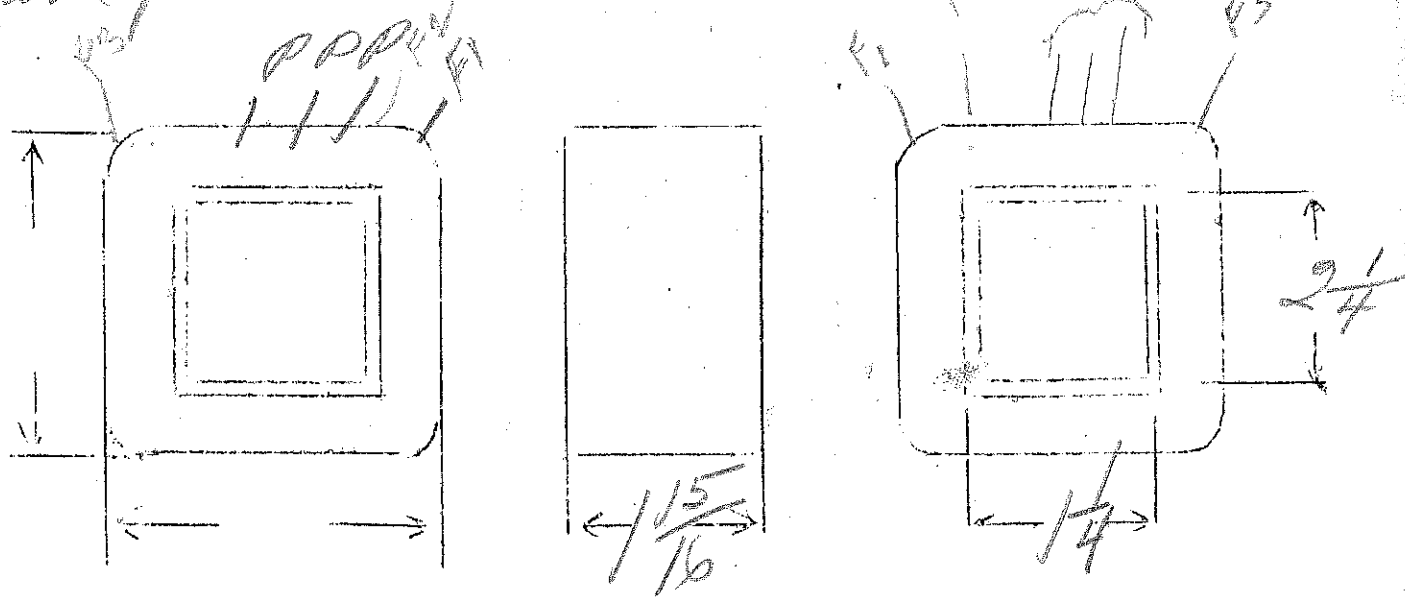
218

SPEC. NO. 2353

Handwritten notes and dates in the top right corner.

Winding	PR1	F4	F3	F1	F2		
Turns	262	14	14	59	15		
Taps	250	—	—	—	7		
Wind. Lgth.	1.75	—	—	—	—		
Wire Size	#20	#12	#12	#26	#26		
T.P.L.	6L						
Kind Term.	WIRE ONLY						
Term. Lgth.	3"	3"	3"	3"	3"		
Layer Insul.	Kraft						
Wrapper	210075A	←					
TUBE	76007	IMPREGNATION			VARNISH		
CURE	1/4 x 2 1/4						

Label panel

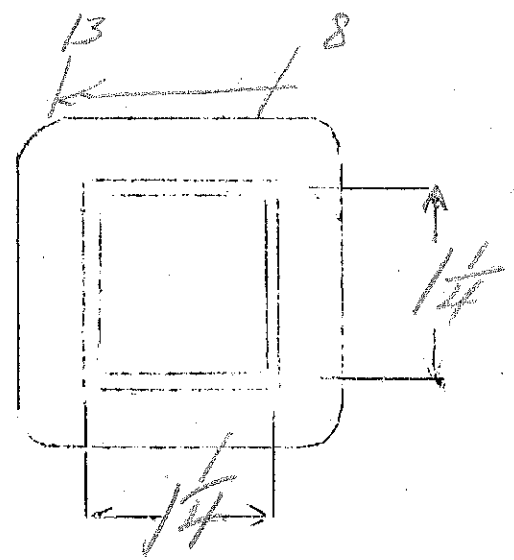
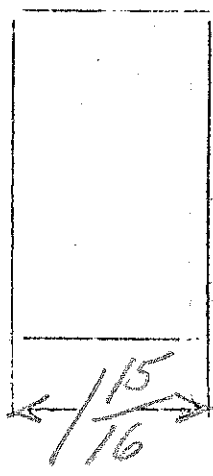
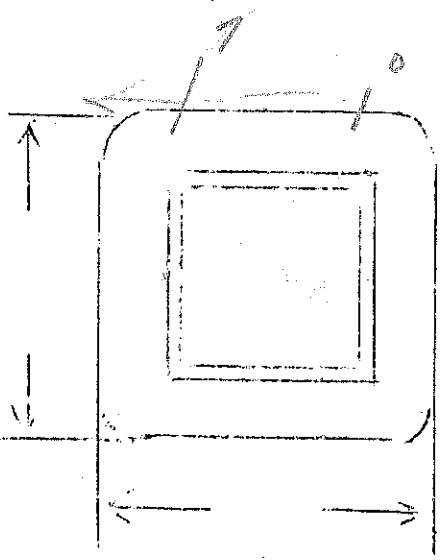


from 0 - 120V - in 10V steps - 2 amp rating

$N/E = 38$

SPEC. NO. 2354

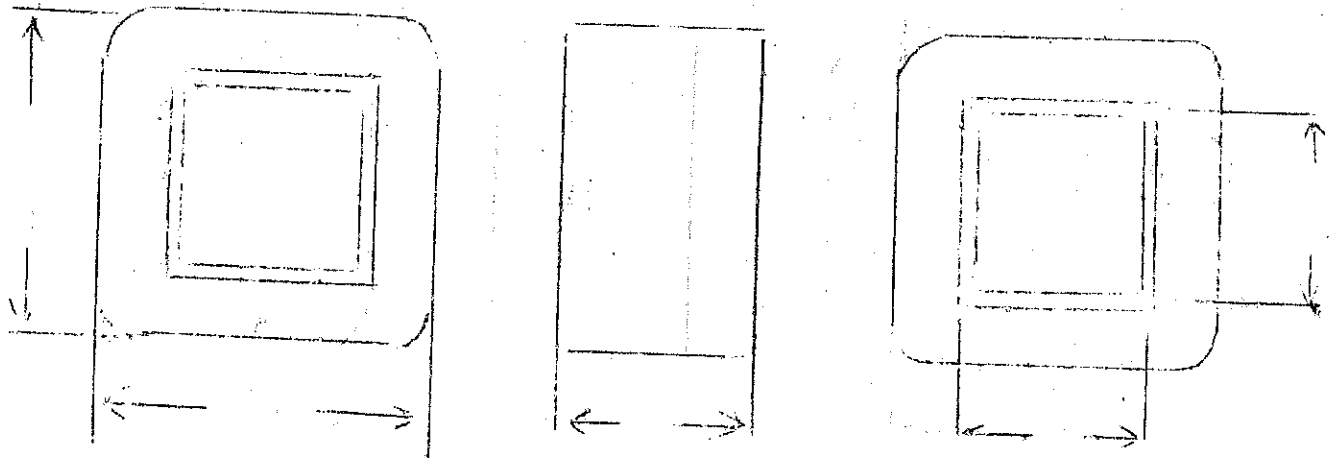
Winding	PRI						
Turns	456						
Taps	38 - 76 - 114 - 152 - 190 - 228 - 266 - 304						
Wind. Lgth.	1.75			342 - 380 - 418			
Wire Size	#19						
T.P.L.	—						
Kind Term.	WIRE ONLY						
Term. Lgth.	2"						
Layer Insul.	.007						
Wrapper	210076R						
TUBE	71007			IMPREGNATION		VARNISH	
CURE	1 1/4 x 1 1/4						



Reserved for next automatic - 6 max

SPEC. NO. 2355

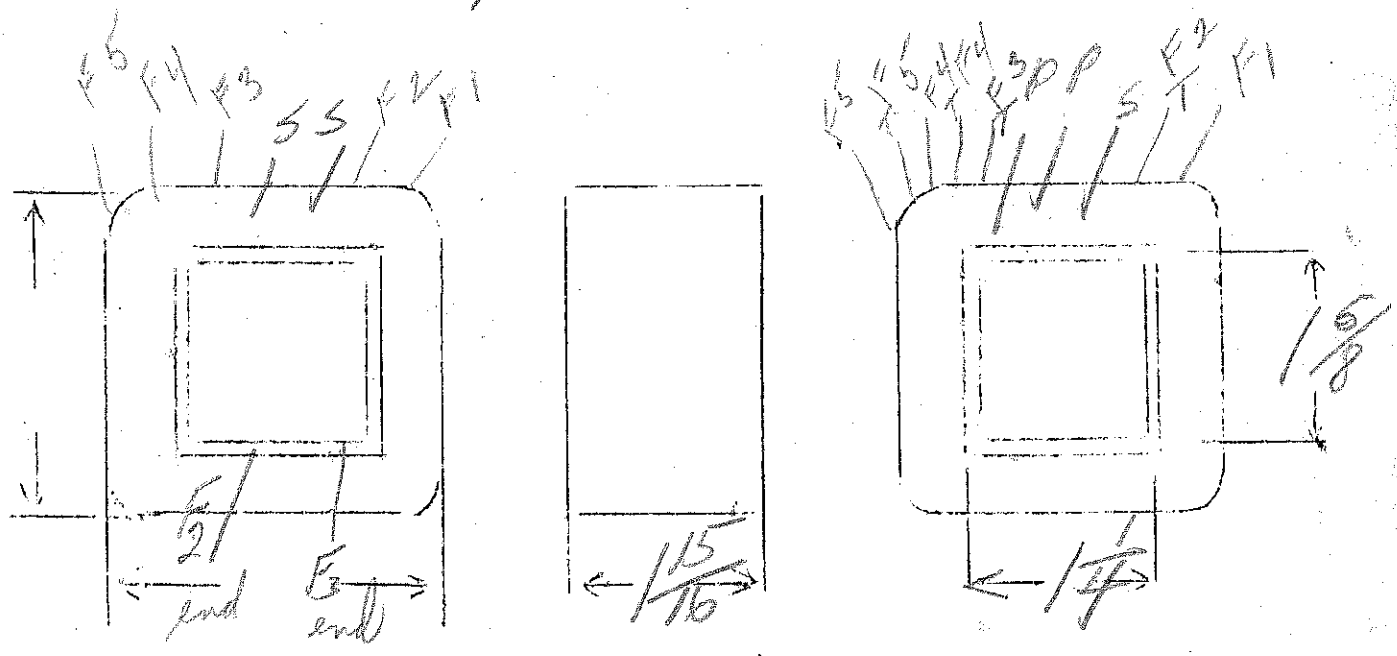
Winding							
Turns							
Taps							
Wind. Lgth.							
Wire Size							
T.P.L.							
Kind Term.							
Term. Lgth.							
Layer Insul.							
Wrapper							
TUBE					IMPREGNATION		
CURE							



Ep - 120V
 Es - 250V.C.T. - 150MA
 Ef1 - 5V - 2amp
 Ef2 - 2.5V.C.T. - 4amp
 Ef3 - 2.5V.C.T. - 4amp

Ef4 - 1.5V.C.T. - 4amp
 Ef5 - 1.5V.C.T. - 7.5amp
 VA = 105
 N/F = 3/5 SPEC. NO. 2357

Winding	SEC	SHIELD	PRI	green F1	Black F2	white F3	Blue F4	Red F5
Turns	2540	145	376	17	8 1/2	8 1/2	5	5
Taps	1270	-	-	-	4	4	2	2
Wind. Lgth.	1.75	1.75	1.75					
Wire Size	#30	#30	#21	#20	double #19	double #19	double #19	double #16
T.P.L.	145-18		54-7	}				
Kind Term.	#30 Pm En	SIL En	#30 Pm En	WIRE ONLY				
Term. Lgth.	9	3	9	9	9	9	9	9
Layer Insul.	double 20#		50#					
Wrapper	100TVC	100TVC	20076A		20076A			20076A
TUBE	7L007			IMPREGNATION			VARNISH	
CURE	1/4 X 1/8		Dynamo Grade					



$E_p - 110 - 120V$

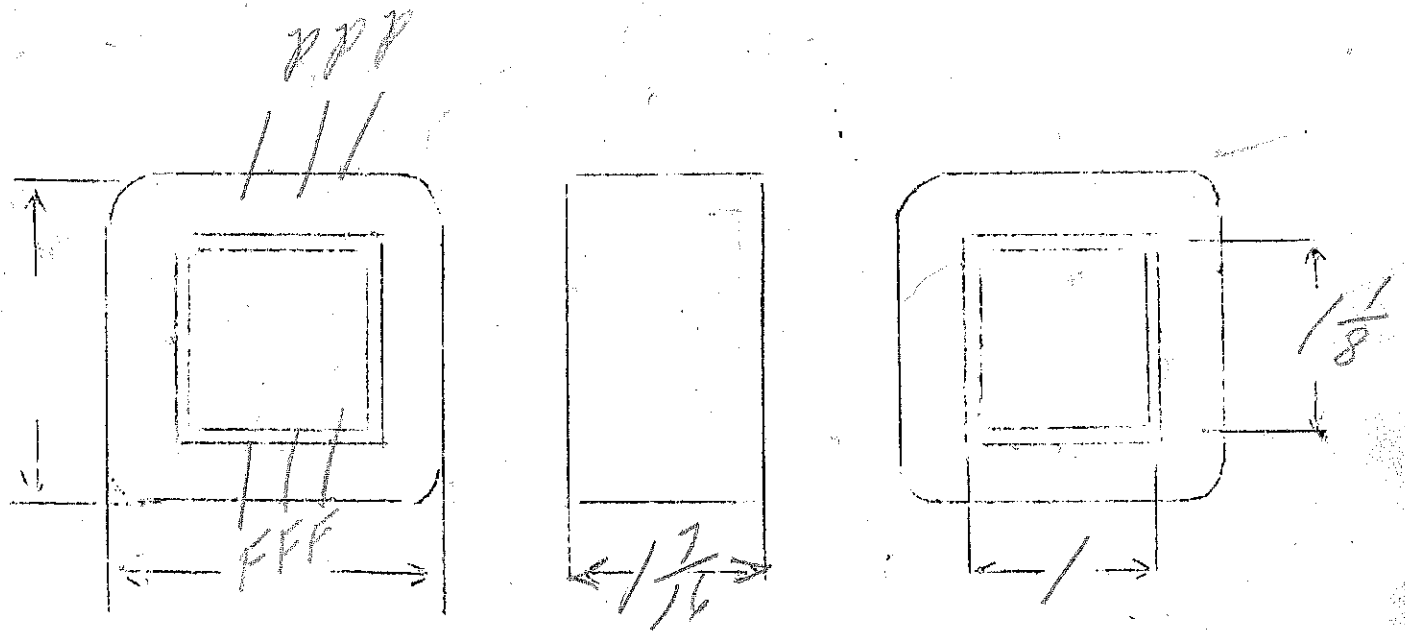
$E_f - 5.25V - 10 \text{ amp}$

1500V Ins test

$N/E = 4.95$

SPEC. NO. 2359-D

Winding	PR1	FIL					
Turns	595	29					
Taps	545	14					
Wind. Lgth.	1.25	1.25					
Wire Size	26	double #15					
T.P.L.	65-10	3L					
Kind Term.	#20 Per Br	N.O.					
Term. Lgth.	9"	9"					
Layer Insul.	40#						
Wrapper	20056A	240056A					
TUBE	7L007			IMPREGNATION		VARNISH	
CURE	1 x 1/8						



0120
0110
00
2359

5.25V
00
ST
0

Ep - 120V

Es - 3000V. - tap at 2500 - 150 MA

(Pri VA 600)

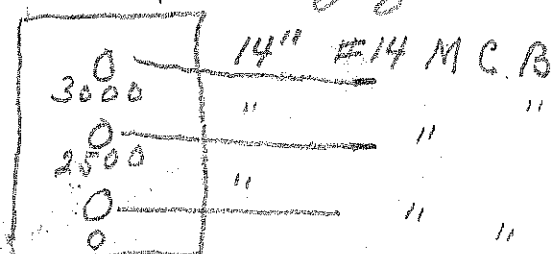
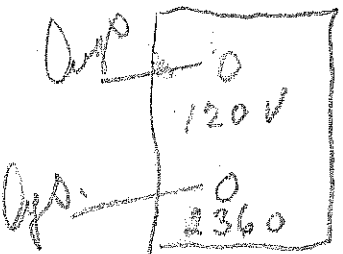
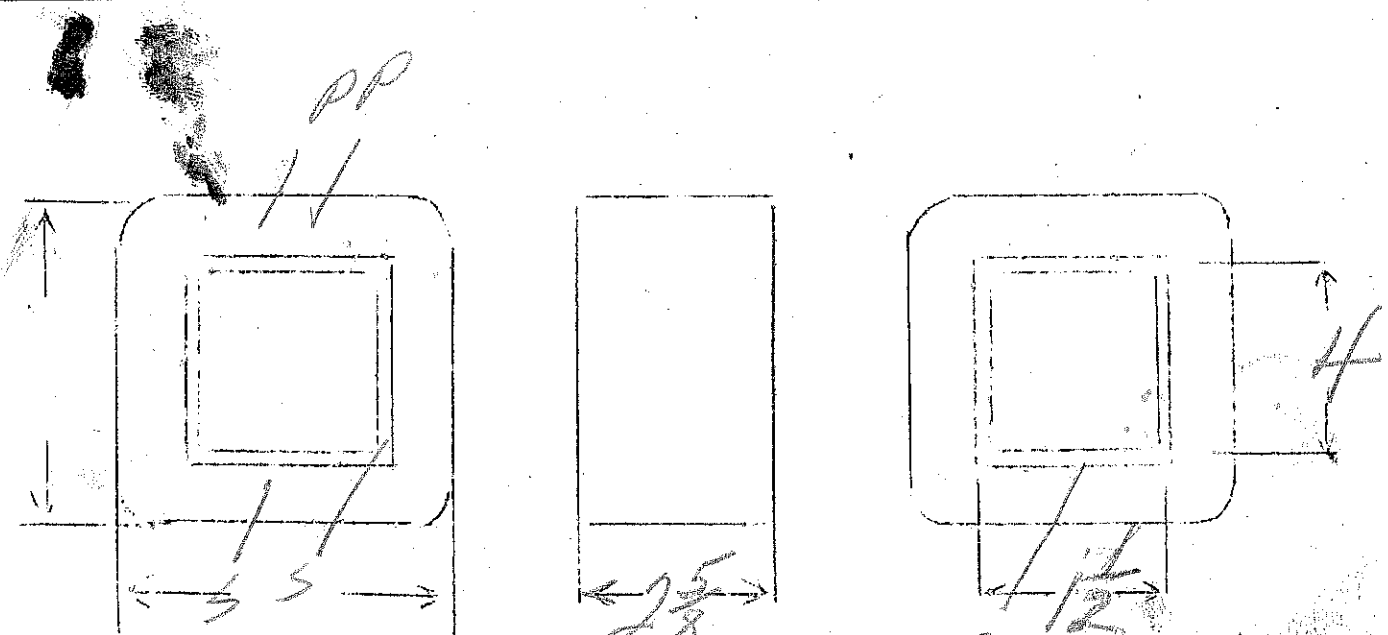
1.05

VA = 450

SPEC. NO.

2360

Winding	SEC	PRI				
Turns	3400	126				
Taps	2880					
Wind. Lgth.	2 1/4	2 1/4				
Wire Size	#29	#13				
T.P.L.	170-80	5L				
Kind Term.	WIRE ONLY		Pri. to lug			
Term. Lgth.	3"	3"	Sec. #14 motor lead wire thru panel to "			
Layer Insul.	double 40# 21007VC	KRAFT	Bakelite			
Wrapper	21005GA	21005GA				
TUBE	21007 + 21007VC		IMPREGNATION	VARNISH		
CURE	1 1/2 x 4					



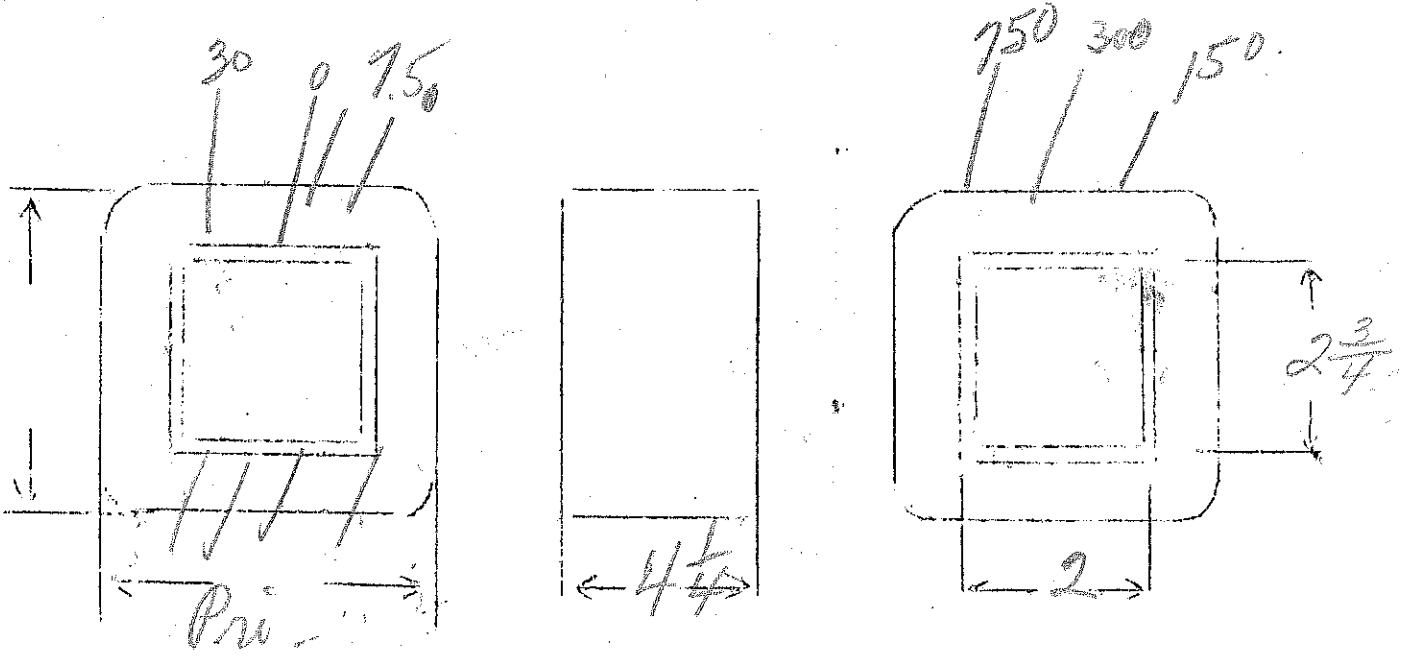
0
75
30
150
300
750

$VA = 750$

$\frac{N}{E} = 1.333$

SPEC. NO. 2361

Winding	PRI	SEC.	SEC ₂			
Turns	179	10	190	200	600	
Taps	177		30			
Wind. Lgth.	175					
Wire Size	#12	#11	#15	#18	#21	
T.P.L.	—	—	—	—	—	
Kind Term.	WIRE ONLY					
Term. Lgth.	12" no sleeving					
Layer Insul.	007 Kraft					
Wrapper	3L005GA/40056A			3L0056A		
TUBE	1AL007			IMPREGNATION		VARNISH
CURE	2 x 2 3/4					



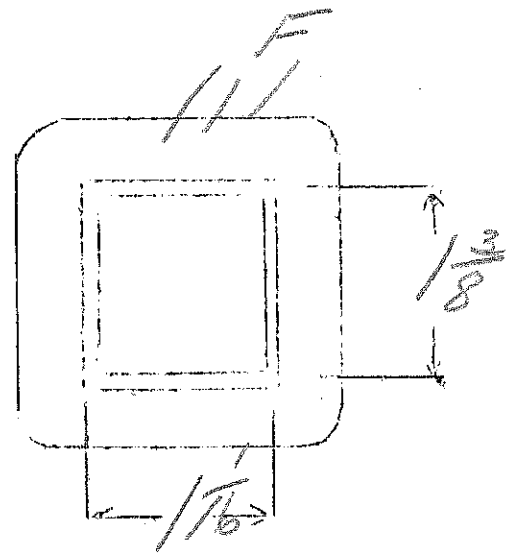
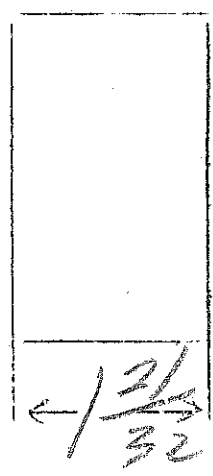
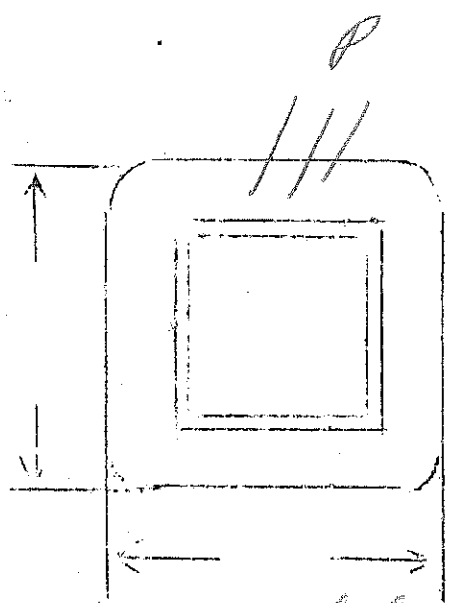
Ep-105-115-125

Es-10VCT-8amps

White

SPEC. NO. 2362

Winding	PR1	SEC				
Turns	500	45				
Taps	460-470	22	3L Braid grounded			
Wind. Lgth.	$\frac{15}{32}$					
Wire Size	#23	#13				
T.P.L.	56					
Kind Term.	#20 Pan. Pan	3L				
Term. Lgth.	9"	9"				
Layer Insul.	40#	007				
Wrapper	3L0056A	3L0055A				
TUBE	2L007		IMPREGNATION	VARNISH		
CURE	$\frac{1}{16} \times \frac{13}{8}$					



Pri start white
115 - brown
125 - yellow

Ep-120V.

Es-2500-400Ma

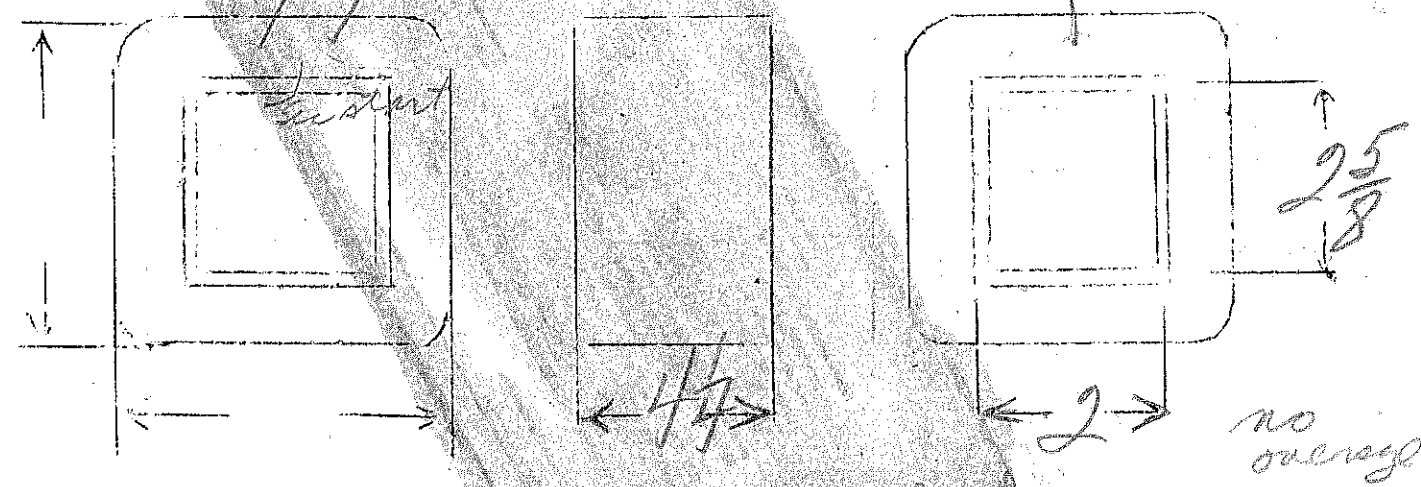
115

SPEC. NO.

2363

Winding	SEC	PR1					
Turns	3100	138					
Taps	—	—					
Wind. Lgth.	9 7/8						
Wire Size	#24	double #13					
T.P.L.	166-19						
Kind Term.	#20 Par Cr.	WIRE only					
Term. Lgth.	12"	3"					
Layer Insul.	double 50	007 Kraft					
Wrapper	2L0056A 3L0075A 3L0056A						
TUBE	9L007				IMPREGNATION	VARNISH	
CURE	2 x 2 5/8						

ground sec. start



BR0000

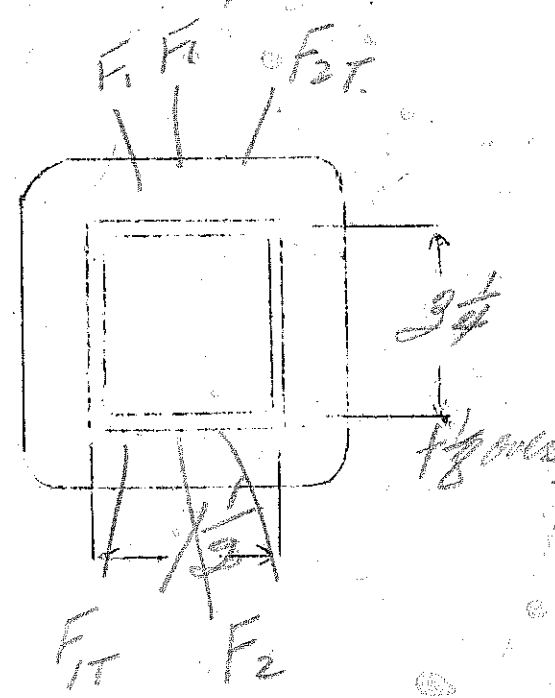
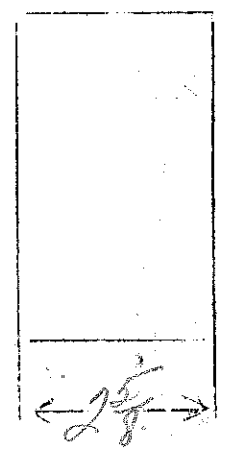
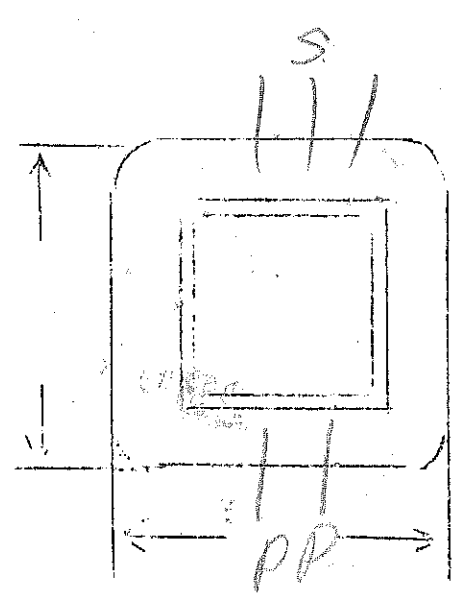
Ep-115
 Es - 2800VCT - 300ma
 Ef1 - 20VCT - 3.5amps
 Ef2 - 5VCT - 5amps

1065

SPEC. NO.

2364

Winding	P	F ₁	F ₂	S		
Turns	116	21	5	2800		
Taps		10.5	2.5	1400		
Wind. Lgth.	2 3/8	—	—	2 1/4		
Wire Size	#13	#13	#13	#26		
T.P.L.	42	—	—	120		
Kind Term.	special copper (tinned) tabs furnished by customer					
Term. Lgth.	see over					
Layer Insul.	.010 GA			.005 VP		
Wrapper	210056A	31007VC	31007VC	31007VC		
	210056A	410056A	410056A	310056A		
TUBE	102007+210056A			IMPREGNATION	VARNISH	
CURE	1 1/2 x 3 1/4			29 1/2 M		



Terminals to be in form of tinned copper
 strips $\frac{1}{2}$ " x 3" x .025" soldered to conductor brought
 out ends of coils

Ins. over and under strips

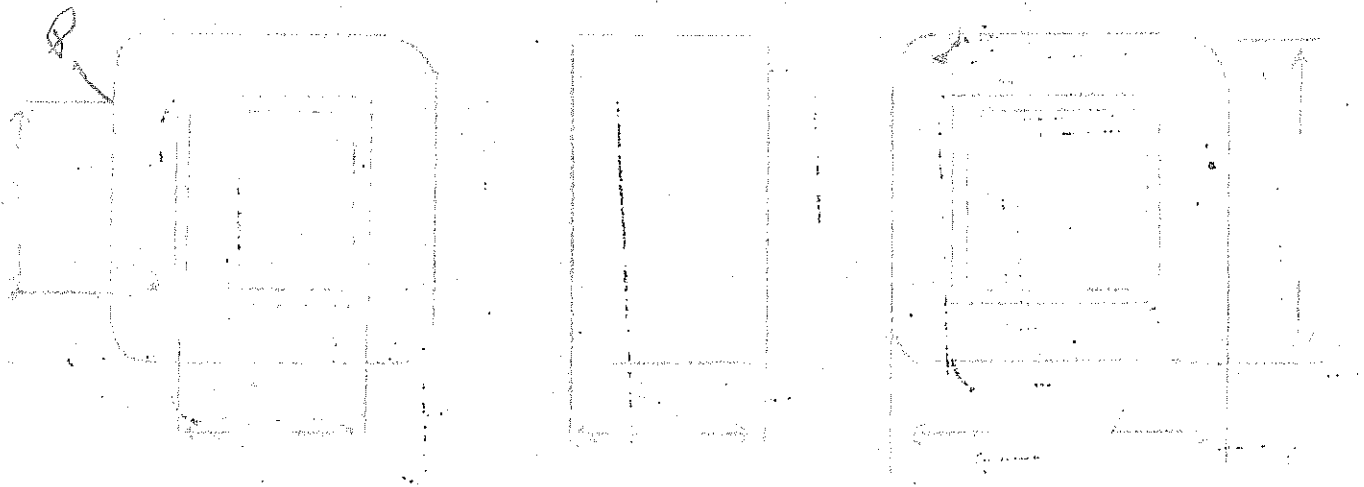
P_ 1L0056A
 1L010VC
 tab
 1L01VC
 1L0056A

V. Only to extend 2" out of coil

F1 same

F2 2L010VC
 tab
 2L010VC

Sec - 1L0056A
 2L010VC
 tab
 2L010VC
 1L0056A



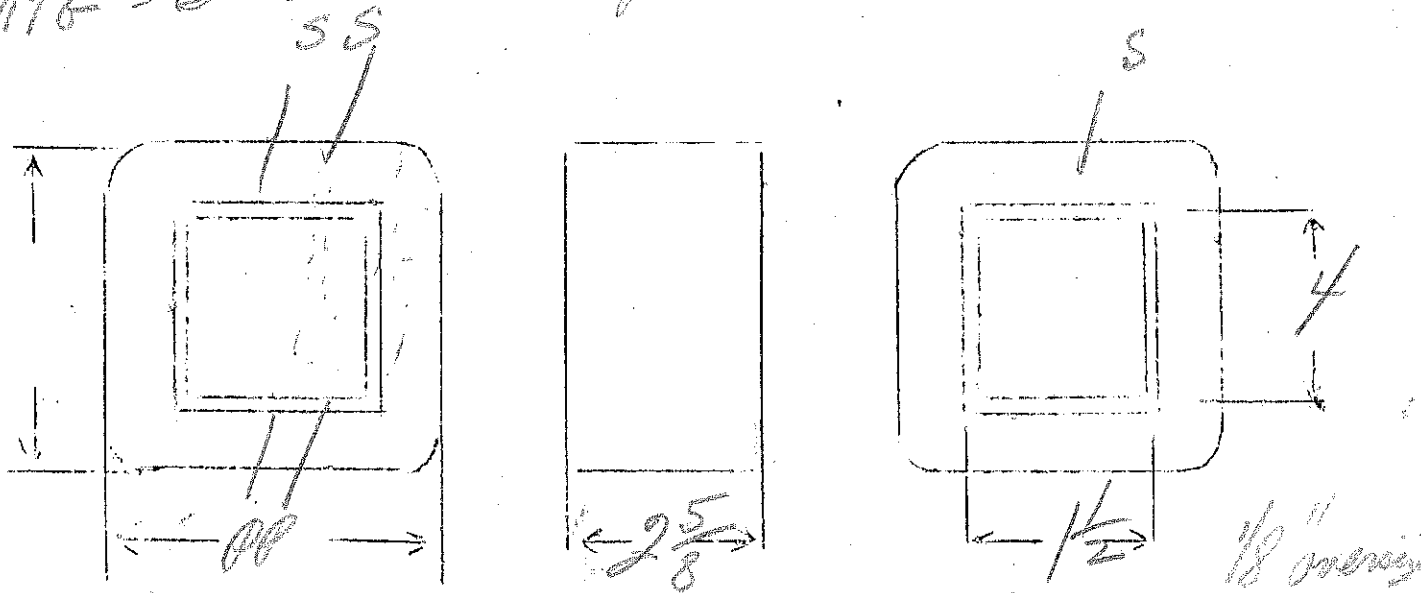
Ep - 115V
 Es - 2400V CT - 500 watts - 400ma

104

SPEC. NO. 2365

Winding	SEC	PRI					
Turns	2800	120					
Taps	1400	-					
Wind. Lgth.	2 ³ / ₈	2 ³ / ₈					
Wire Size	#26	double #18					
T.P.L.	128-22	52					
Kind Term.	WIRE ONLY						
Term. Lgth.	4"	4"					
Layer Insul.	double 30 #	.007					
Wrapper	21007VC 210056A	210056A					
TUBE	102007+11007VC		IMPREGNATION		VARNISH		
CURE	1/2 x 4						

6" MTC - Black crackle painted cast iron cases



0
115
0
2365

2400V
CT
0
0

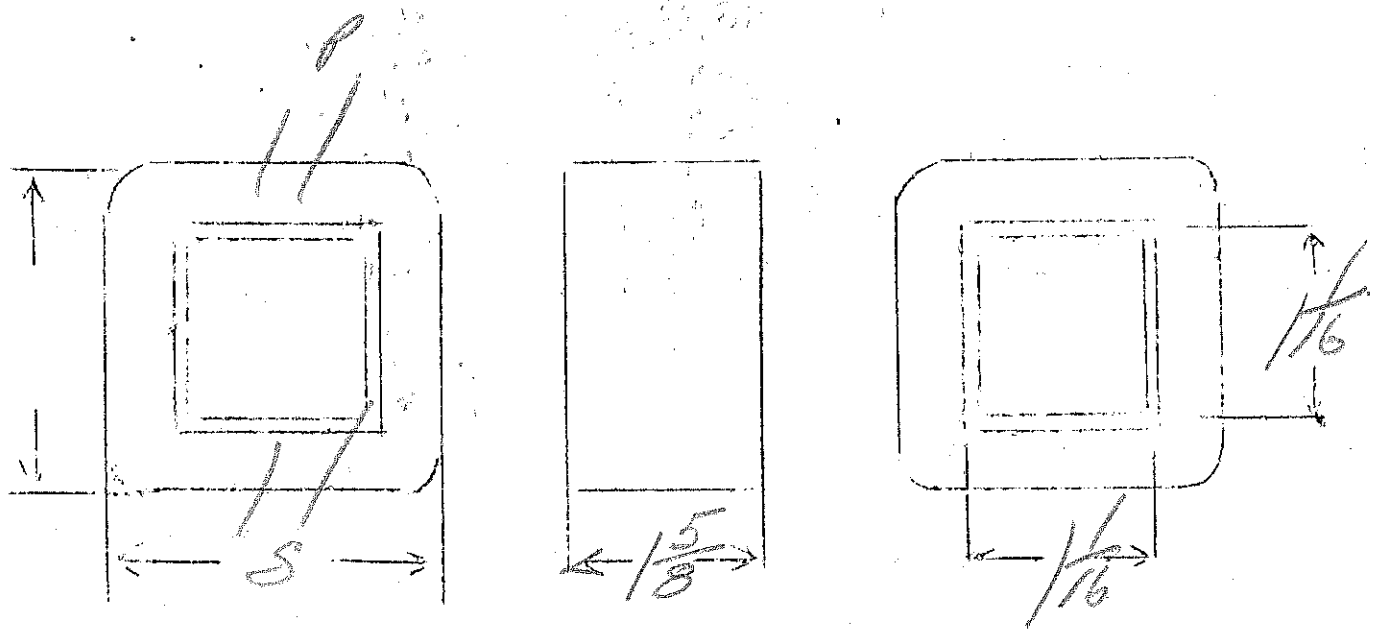
$E_p - 110V$ $500N$

$E_s - 5000V - 10mA$

$V.A. = 50$ $N/E = 265$

SPEC. NO. 2366

Winding	P	S				
Turns	305	14000				
Taps	—	—				
Wind. Lgth.	$1\frac{3}{16}$	$1\frac{5}{16}$				
Wire Size	#24	#40				
T.P.L.	61-5	250-56				
Kind Term.	#20 Par. Pr.	#20 Par. Pr.				
Term. Lgth.	9"	9"	finish before winding Sec to be 2 wide			
Layer Insul.	40#	3L-#16				
Wrapper	52004VC	41007VC 24005GA				
TUBE	7L007		IMPREGNATION		Varnosh	
CURE	$1\frac{1}{16} \times 1\frac{1}{16}$					



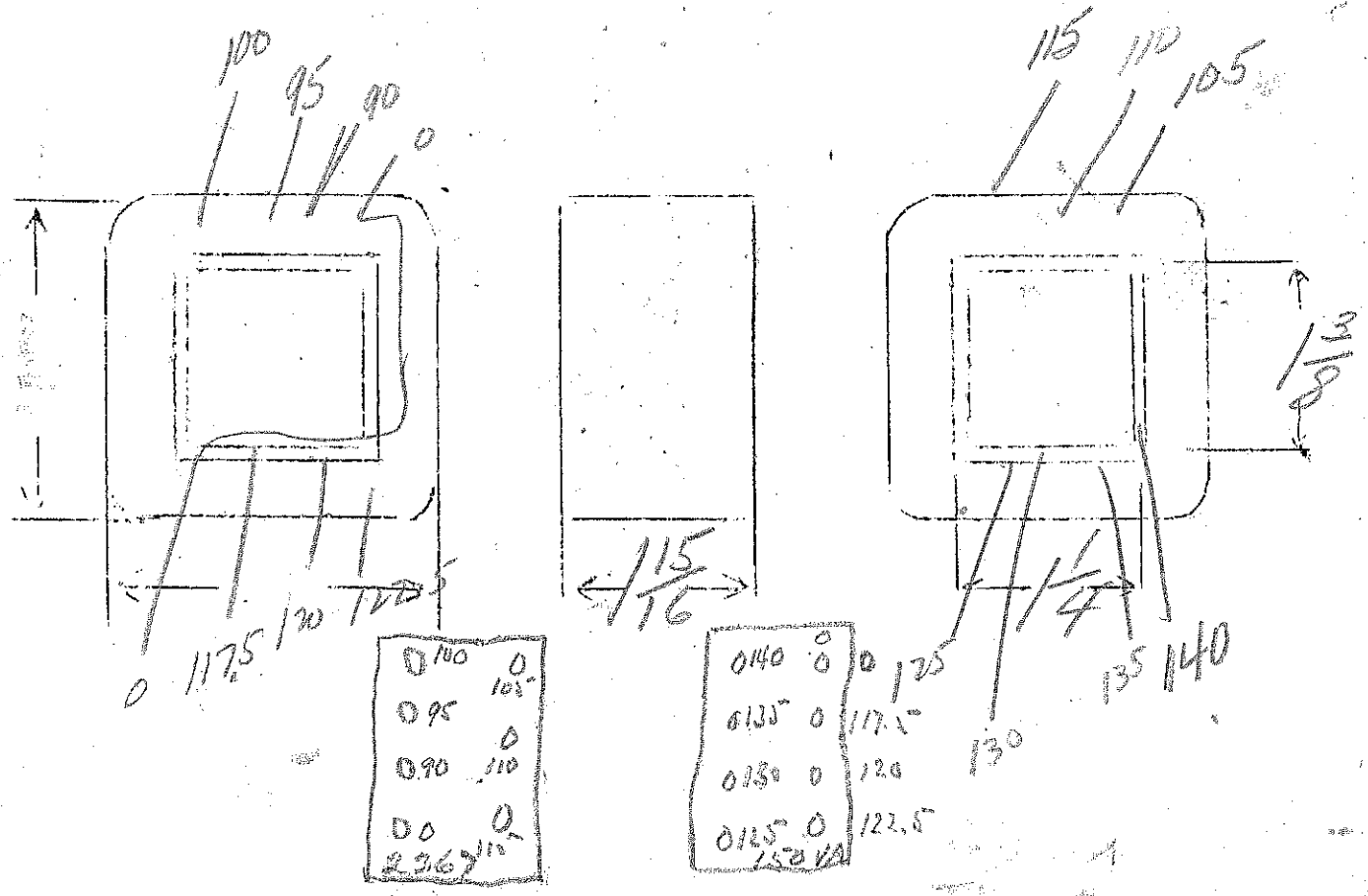
Auto Transformer

$$\frac{V}{E} = 4$$

90-95-100-105-110-115-117.5-120-122.5
 125-130-135-140V-150 watts

SPEC. NO. 2367

Winding	Continuous					
Turns	360	200				
Taps		180-160-140-130-120-110-100-90-				
Wind. Lgth.	1.75	1.25		60-40-20		
Wire Size	#21	#18				
T.P.L.	53-7	40-5				
Kind Term.	WIRE ONLY					
Term. Lgth.	6"	6"				
Layer Insul.	007					
Wrapper	210070A					
TUBE	72007		IMPREGNATION	VARNISH		
CURE	1/4 x 1/8					

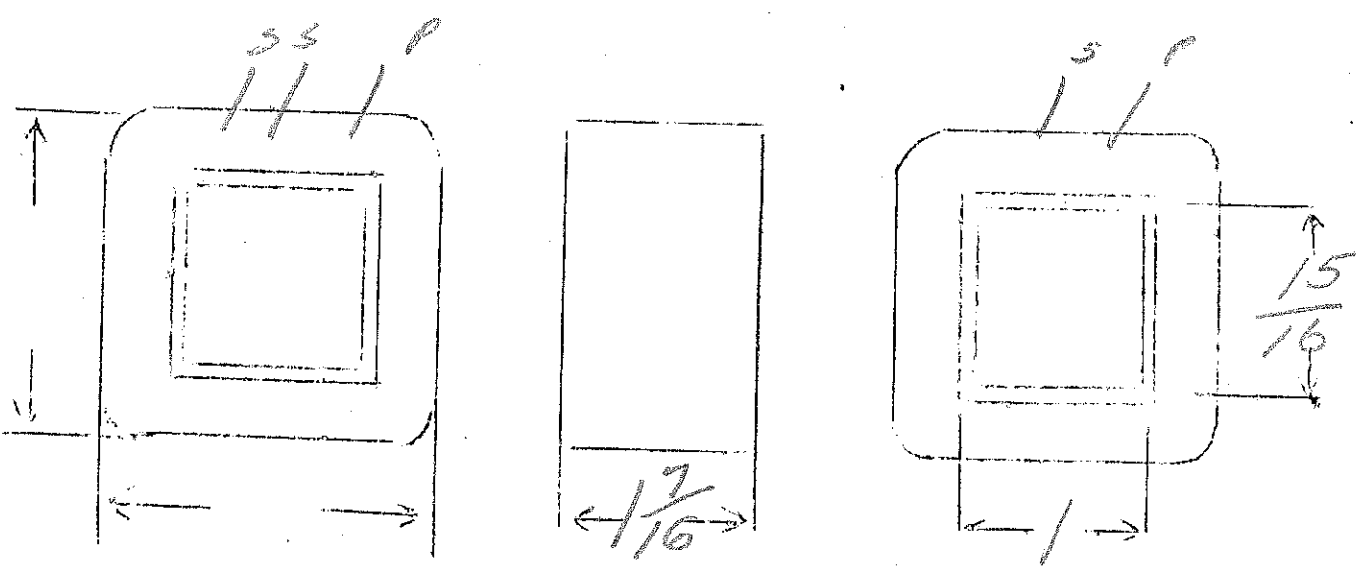


Ep-115

Similar to 6210A except primary
used with a ballast tube

SPEC. NO. #2368

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3700	74	645	31	39		
Taps	1850		—	—	—		
Wind. Lgth.	1.25	1.25	1.25	—	—		
Wire Size	#36	#27	#27	#21	#21		
T.P.L.	206-18		74-9	—	—		
Kind Term.	#20 Par.Bv	wo.	#22 Par.Bv	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	Sandite 16#		40#	—	—		
Wrapper	12007VC	12007VC	21005GA	21005GA	21005GA		
TUBE	12007			IMPREGNATION		VARNISH	
CURE	1 X 12/16						



Ep-115

Es-3000V.C.T. - 300 watt - 200 MA

5000V Ins

REVISED TO #8314

PLATE TRANSFORMER

178

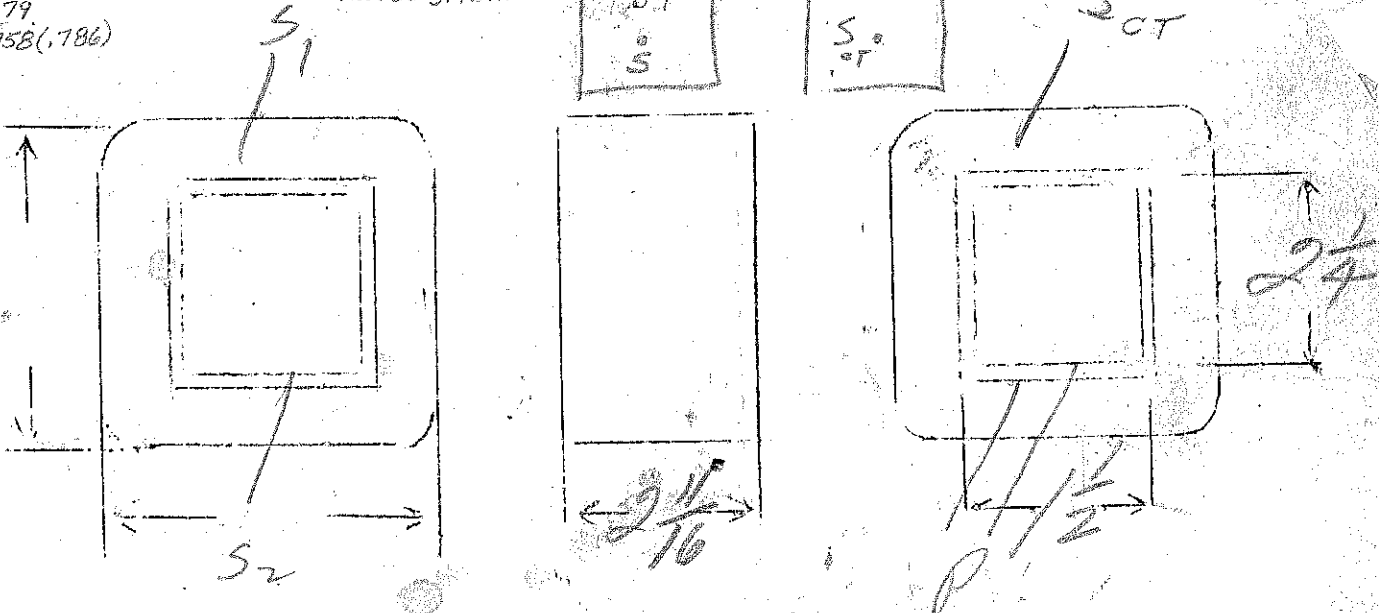
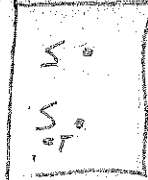
SPEC. NO.

2369-G

Winding	SEC	PRI				
Turns	5900	206				
Taps	2950					
Wind. Lgth.	2 1/16					
Wire Size	#29	#17				
T.P.L.	175-34	5L				
Kind Term.	WIRE ONLY					
Term. Lgth.	6"	6"				
Layer Insul.	double					
Wrapper	3L007VC 2L0056A	2L0056A				
TUBE	19L007H1007VC		IMPREGNATION		VARNISH	
CURE	1 1/2 x 2 1/4					

Cu = 1054 - 589
 Fe = 70.5 @ 60W
 TPV = 1.79
 WN = .75B (.786)

SEC. VA = 300
 PRI. VA = 400
 RES. I = 3.48A.



G mtg - Black Venable iron cases over for brass plate

$E_p - 110 - 118 - 125 - 130$

$E_{F1} - 5.5V - 20 \text{ amps}$

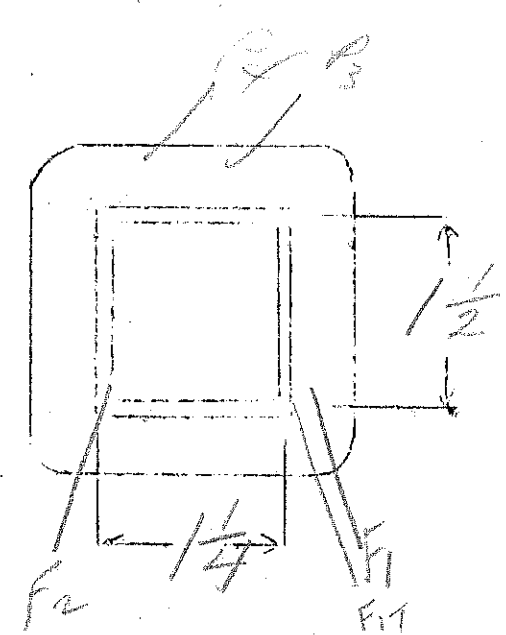
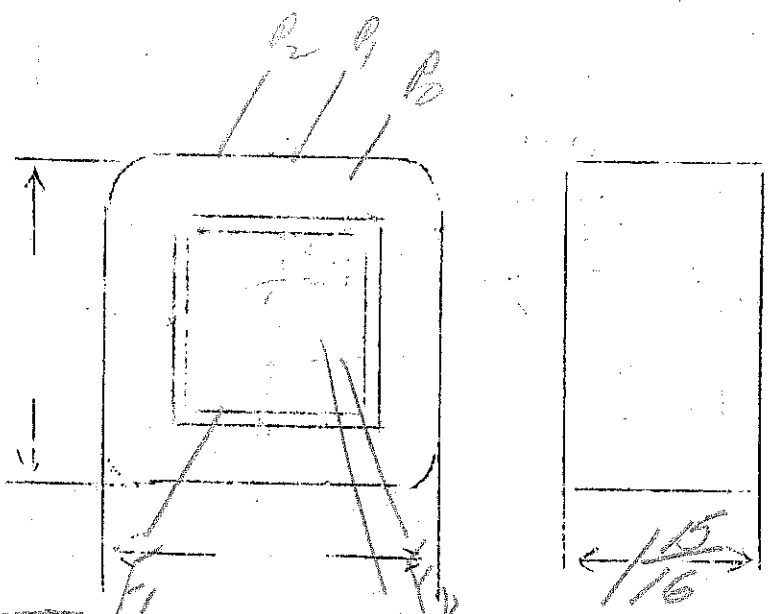
$E_{F2} - 2.5V - 10 \text{ amps}$

7500V Ins.

333

SPEC. NO. 2370

Winding	PR1	F1	F2			
Turns	433 417	20	9			
Taps	346 368	10	5			
Wind. Lgth.	1.75					
Wire Size	#21	double #12	#12			
T.P.L.	9L	2L	1L			
Kind Term.	WIRE	WO.	WO.			
Term. Lgth.	4"	4"	4"			
Layer Insul.	50#					Filament leads #14 motor lead 12" long
Wrapper	2L007GA	2L007C	2L007A			
TUBE	7L007	IMPREGNATION		VARNISH		
CURE	$1\frac{1}{4} \times 1\frac{1}{2}$					



0 118 0 125
0 110 0 130
0 2370

2.5V 12 1/4" BMC #14 Ins #15
5.5V 14" BMC #14 Ins #15

Refrigerator Step-Down

240 V/100 V. - 50 Cycles - 3.5 Amp;

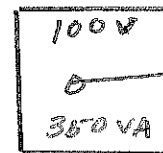
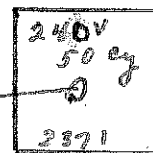
SPEC. NO. 2371

Winding	PRI					
Turns	538					
Taps	230					
Wind. Lgth.	1 $\frac{3}{4}$					
Wire Size	#19					
T. P. L.	42-13					
Finish						
Type Lead	W. O.					
Lead Lgth.	4"					
Layer Insul.	.007 K					
Test Volt.	1500					
Wrapper	2L.007GA					
TUBE	7L.007GK		IMPREGNATION		DOUBLE VARNIS H	
CORE	1 $\frac{1}{4}$ x 2 $\frac{1}{4}$	GA. 24	GRADE D		STACK 2 x 2	
MOUNTING	T				350 VA	

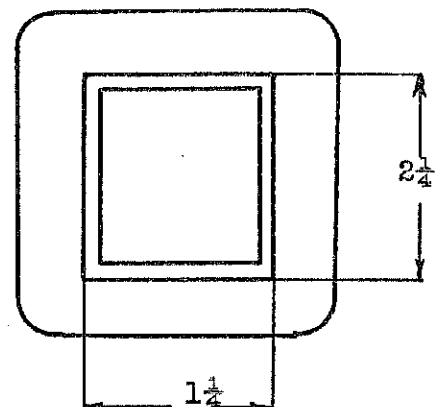
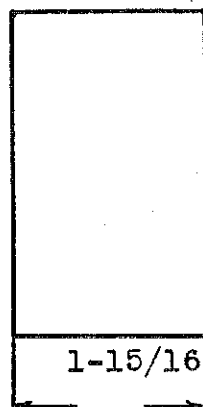
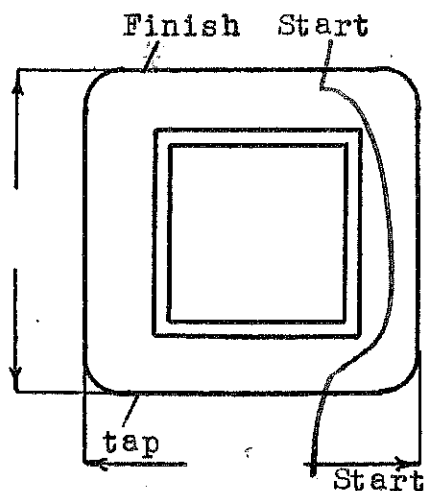
240
hundreds

Male

6ft Cord



female plug
2" cord



DESIGNED BY JCG

DATE 4-20-39

Ep: 110-115-120-125

VA = 65

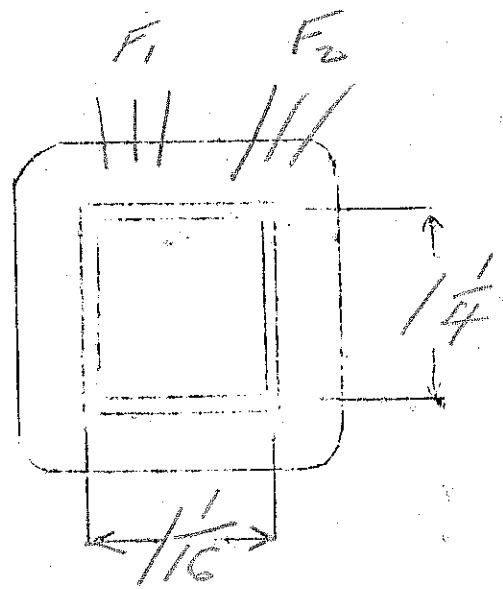
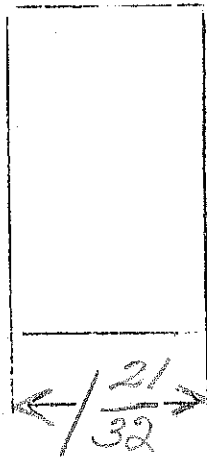
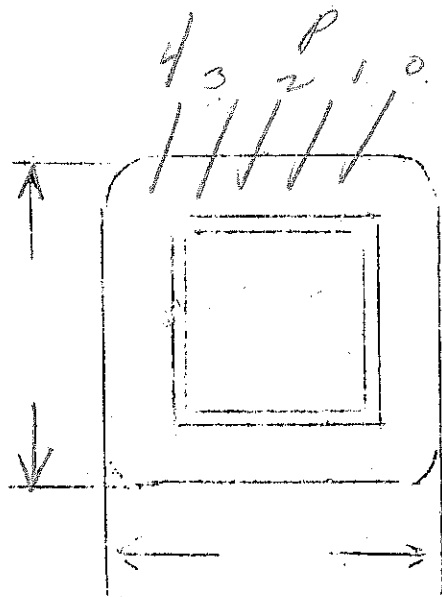
EF₁ - 10V.C.T. - 4 amps

$\frac{V}{E} = 4.35$

EF₂ - 2.5V. 10amps - 5000V Ins

SPEC. NO. 2372

Winding	PR1	F ₁	F ₂				
Turns	544 522	48	12				
Taps	500 480	24	6				
Wind. Lgth.	$\frac{13}{32}$						
Wire Size	#24	#16	#12				
T.P.L.	63-8	2L					
Kind Term.	WIRE	ONLY					
Term. Lgth.	3"	3"	3"				
Layer Insul.	40*						
Wrapper	2L005GA	2L007VC	2L007VC				
TUBE	72007	1		IMPREGNATION		VARNISH	
CURE	$\frac{1}{16}$ x $\frac{1}{4}$						



Ep - 120 - 137 - 160 - 212

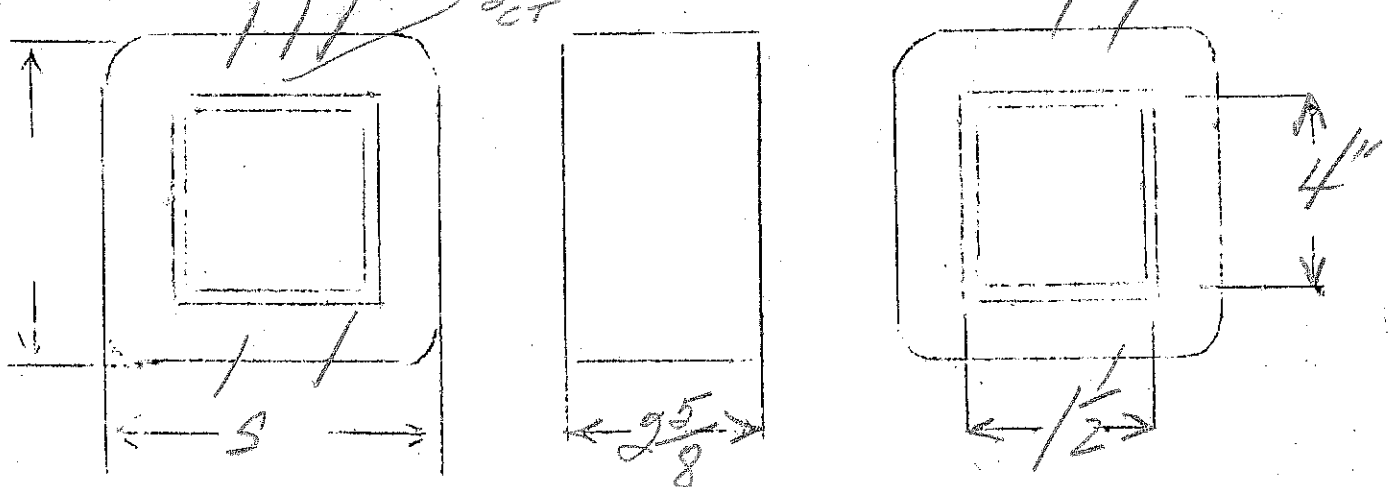
VA = 480

Es - 3200 - V.C.T. - 300 MA - 5000 V. Ins

SPEC. NO. 9373

Winding	SEC	PR1				
Turns	3420	120	17	23	52	
Taps	1710					
Wind. Lgth.	$2\frac{3}{8}$					
Wire Size	#27	#15	#17	#18	#21	
T.P.L.	143-24					
Kind Term.	WIRE	ONLY	→			
Term. Lgth.	4"	4"	4"	4"	4"	
Layer Insul.	double 20XT	.007 KRAFT				
Wrapper	92007VC 92005GA				92005GA	
TUBE	92007+2007VC			IMPREGNATION		VARNISH
CURE	$1\frac{1}{2} \times 4$					

Careful of spec. margins!



Panel in sec. for motor lead wire leads over

H.H. Ep = 103V

GILFILLAN BROS.

Es - 625VCT - 40ma

55

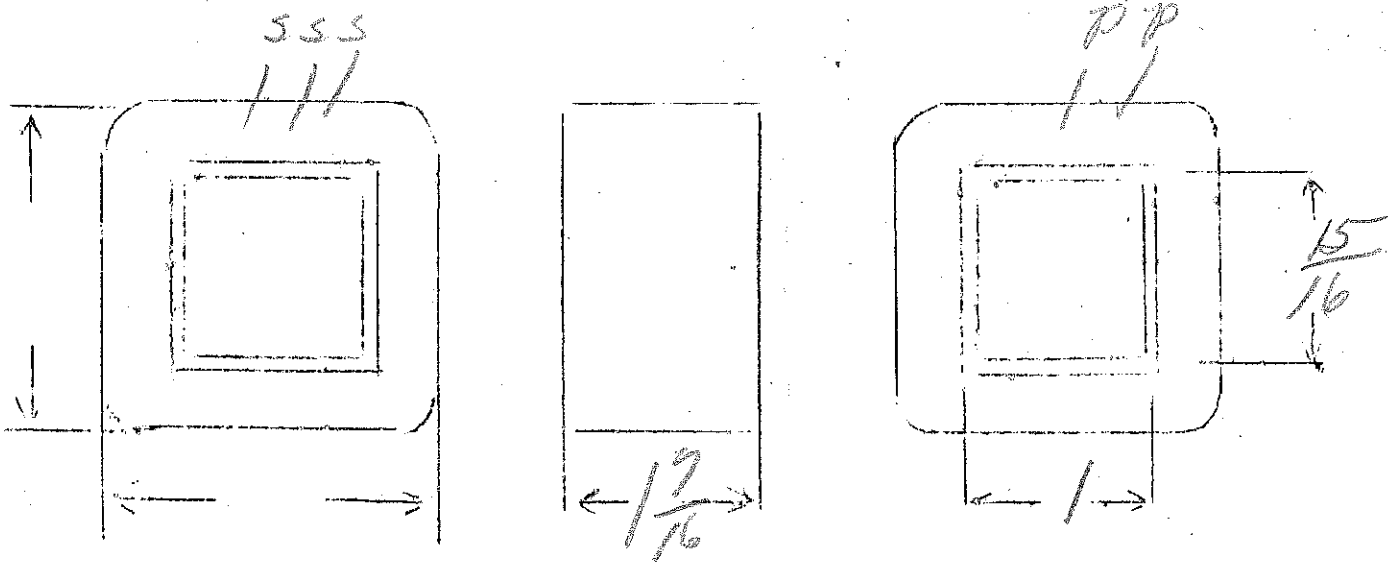
Ef1 - 5V - 2amp

SPEC. NO. 2374-A

Ef2 - 6.2V - 2amp

Winding	SEC	SHIELD	PR1	F1	F2		
Turns	4000	66	568	32	40		
Taps	2000	—		—	—		
Wind. Lgth.	1.25	1.25	1.25				
Wire Size	#37	#26	#26	#21	#21		
T.P.L.	215-18		66-9				
Kind Term.	#22 P.P.	N.O.	#22 P.P.	WIPE ONLY			
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#	—	40#	—	—		
Wrapper	1007VC	1005VC	2005BA	2005BA	2005BA		
TUBE	52007			IMPREGNATION	VARNISH		
CURE	1 x 15/16						

to Fat.



314

3000

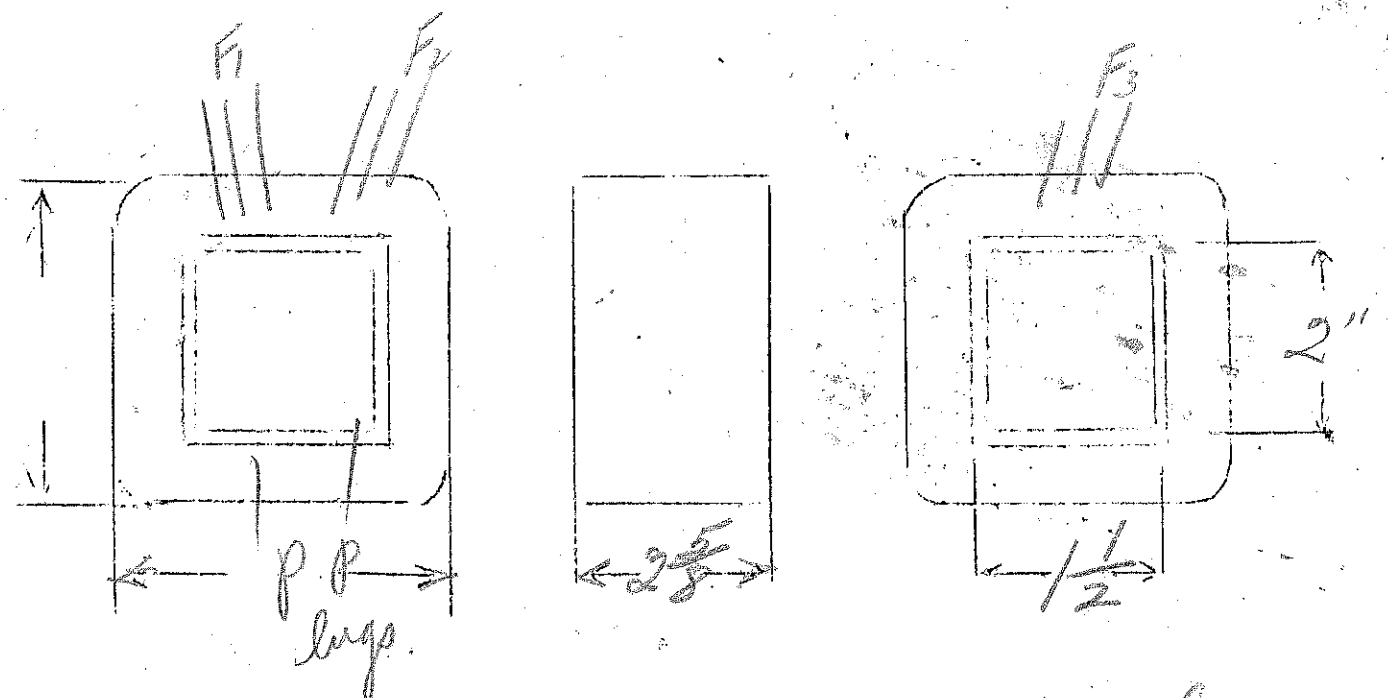
1.

$E_p - 115V$
 $E_{F1} - 5.5V - 20\text{amps}$
 $E_{F2} - 5.5V - 20\text{amps}$
 $E_{F3} - 2.5V - 10\text{amps}$

all CT with leads
 9500 V. ins.
 SPEC. NO. 2375
 214

$VA = 250$
 $NE = 214$

Winding	PR1	F ₁	F ₂	F ₃		
Turns	246	13	13	6		
Taps	—	6	6	3		
Wind. Lgth.	2 $\frac{3}{8}$	double	double	#17	F ₁ , F ₂ + F ₃ have	
Wire Size	#17	#12	#12	#12	leads of #14 motor	
T.P.L.	45-6	—	—	—	cable 12" long	
Kind Term.	WIRE ONLY					
Term. Lgth.	4"	4"	4"	4"		
Layer Insul.	1007 Knf		31007V0	31007V0		
Wrapper	2L0056A	2L0056A	2L0056A	2L0056A		
TUBE	9L007	IMPREGNATION		VARNISH		
CURE	1 1/2 x 2					



case with shell covers - pri legs to panel
 sec leads thru grommets
 use VC over 25 lead thru grommet

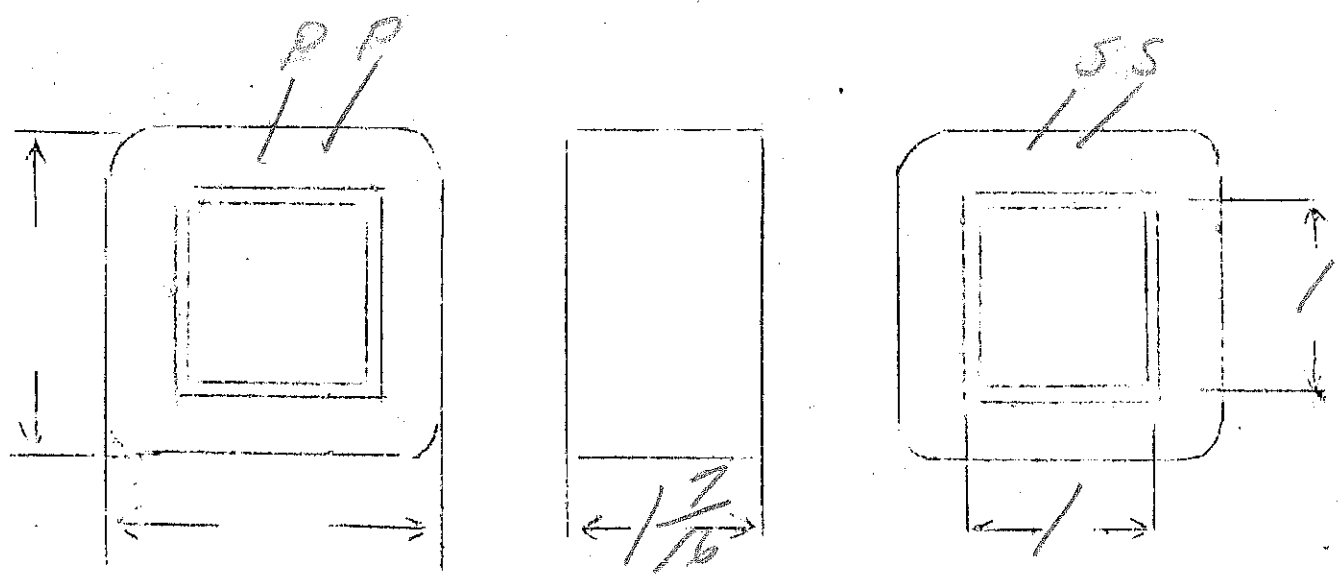
Special Cathode Ray transformer

Ep - 115V
Es - 800V

$$\frac{N}{E} = 6.95$$

SPEC. NO. 2376

Winding	PRI	SEC					
Turns	800	5500					
Taps	-	-					
Wind. Lgth.	1/4	1/8					
Wire Size	#30	#40					
T.P.L.	100-8	280					
Kind Term.	Sil Br	Sil Br					
Term. Lgth.	3"	3"					
Layer Insul.	40#	double 16#					
Wrapper	200Vc SHIELD	210050A					
TUBE	2607Vc	76007		IMPREGNATION		VARNISH	
CURE	1X1						



Ep-115

3.7

Es₁ - 110 = Es₂

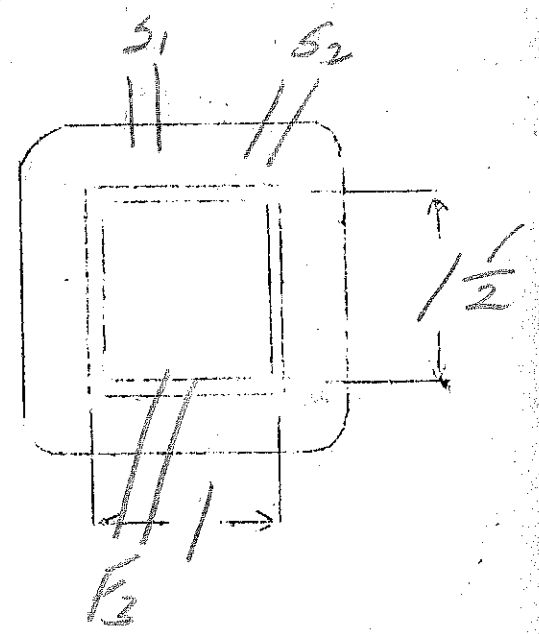
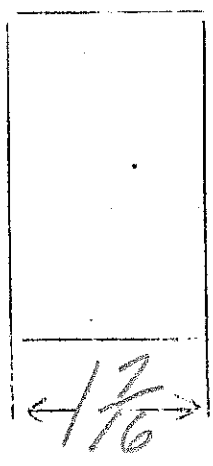
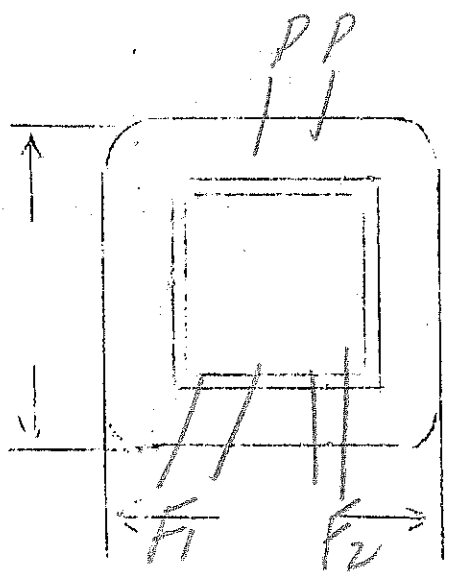
Ef₃ = Ef₄ - 25V - 2amp

all sec. 5000V. GND

Ef₅ = 25V - 2amp

SPEC. NO. 2377

Winding	P	S ₁	S ₂	F ₃	F ₄	F ₅
Turns	426	418	418	10	10	10
Taps	-	-	-	-	-	-
Wind. Lgth.	1.25"	1"	1"			
Wire Size	#26	#38	#38	#20	#20	#19
T.P.L.	72-6	209	209			
Kind Term.	W.O.	SILBR	SILBR	WIRE ONLY		
Term. Lgth.	3"	3"	3"	3"	3"	3"
Layer Insul.	40#	30#	30#			
Wrapper	32007VC	32007VC	32007VC	120056A 32007VC	120056A 32007VC	
TUBE	7L007	IMPREGNATION			VARNISH	
CURE	1x1 1/2					



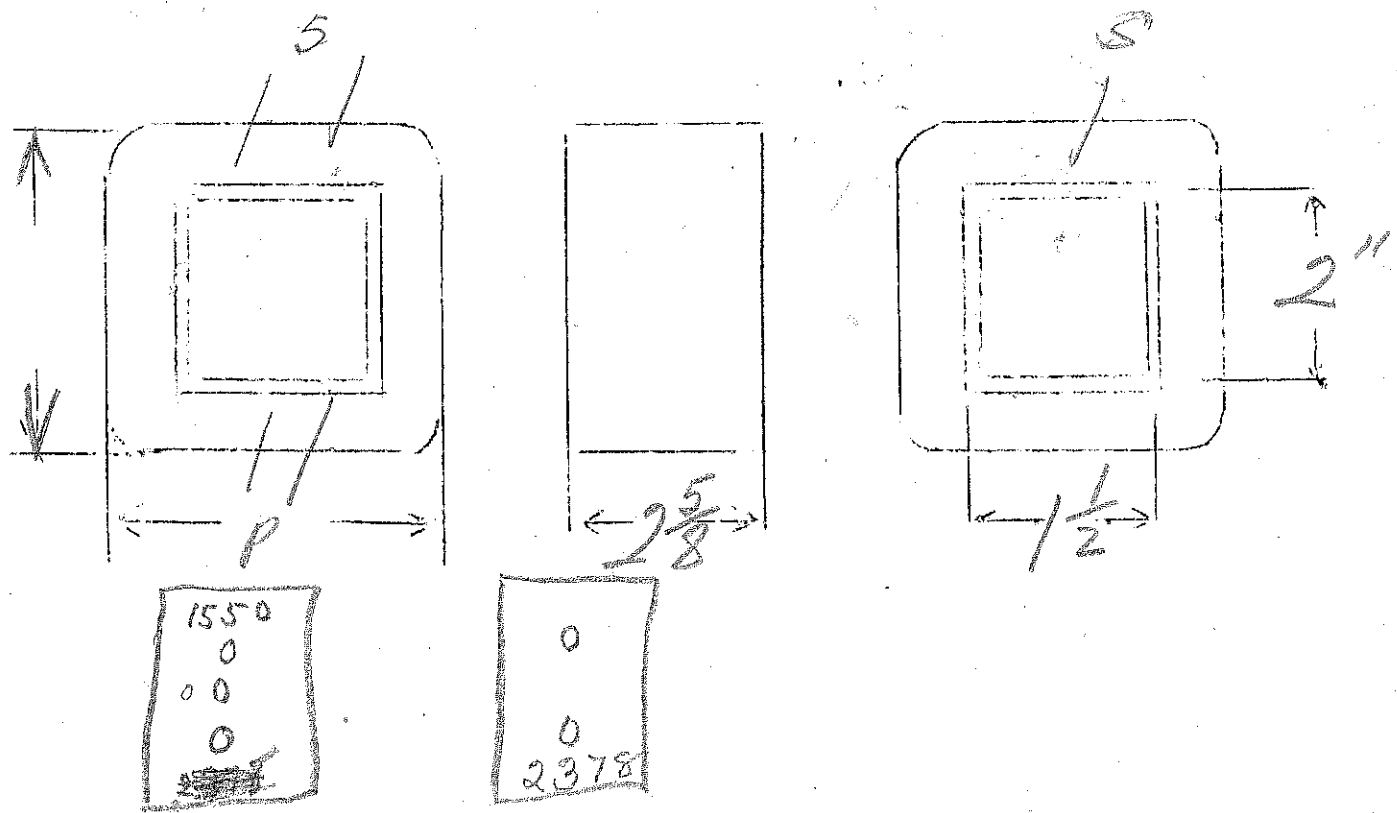
Ep: 120V
 1550VCT-300 MA.

VA = 225 watts
 N/E = 2

PRI VA = 300

SPEC. NO. 2378

Winding	SEC	PRI				
Turns	3500	240				
Taps	1750					
Wind. Lgth.	2 3/8	2 3/8				
Wire Size	#27	#17				
T.P.L.	140-36	45-6				
Kind Term.	WIPE	ONLY				
Term. Lgth.	6"	6"				
Layer Insul.	double 30#	001				
Wrapper	2100TVC 210050A	310050A				
TUBE	104007		IMPREGNATION		VARNISH	
CURE	1/2 x 2					



$E_0 = 105-115-125$

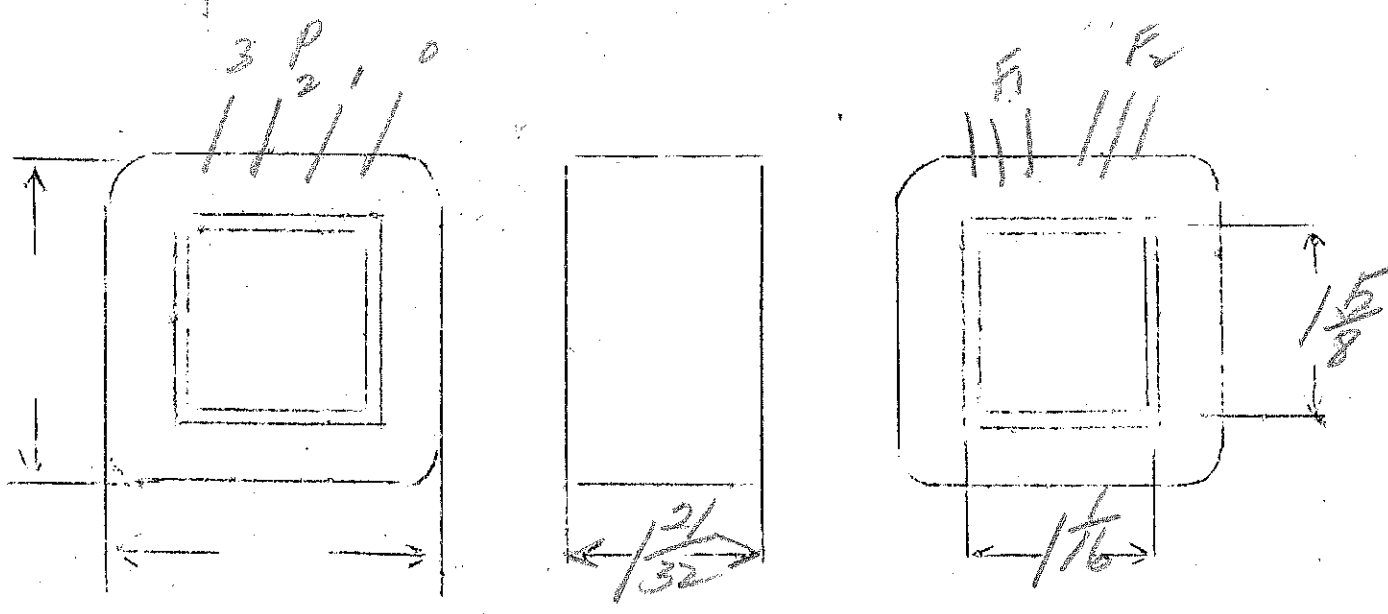
V.A. = 85

$E_{F1} = E_{F2} = 525V - 8 \text{amps C.T.}$

$\frac{N}{E} = 362$

SPEC. NO. 2379

Winding	PRI	F ₁	F ₂				
Turns	453	21	21				
Taps	382	10	10				
Wind. Lgth.	$1\frac{5}{32}$	—	—				
Wire Size	#23	#13	#13				
T.P.L.	56-10						
Kind Term.	WIRE	ONLY					
Term. Lgth.	3"	3"	3"				
Layer Insul.	50#						
Wrapper	2005GA	2005GA	2005GA				
TUBE	7007			IMPREGNATION		VARNISH	
CURE	$1\frac{1}{16} \times 1\frac{5}{8}$						

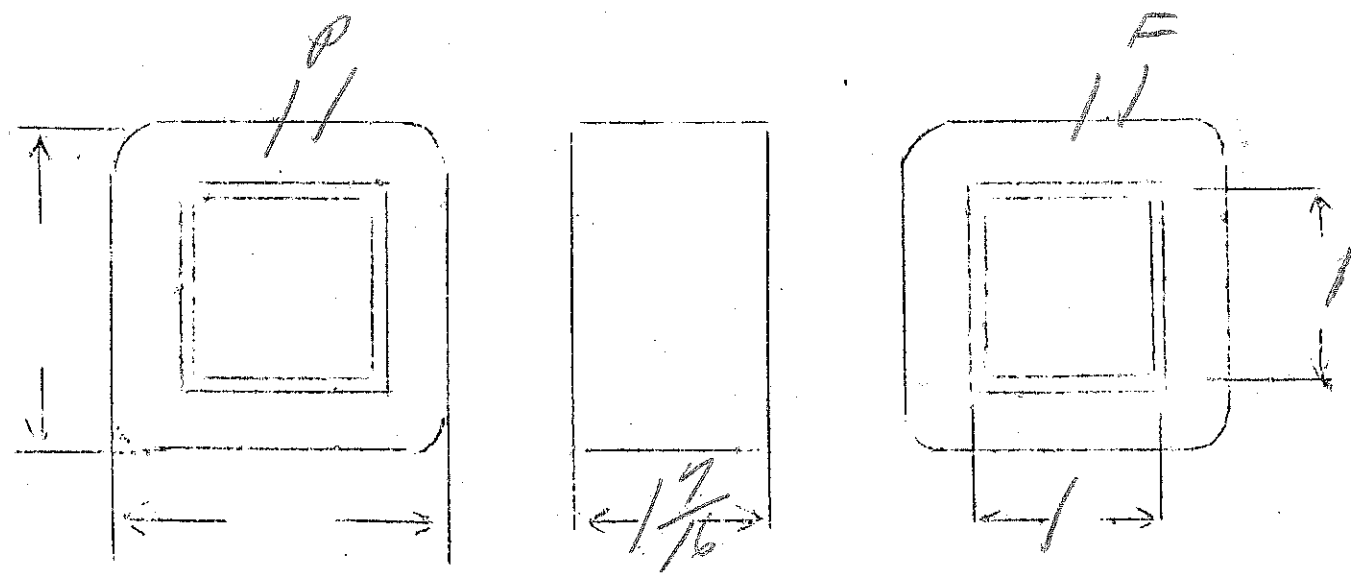


$E_p = 120V$
 $E_s = 2.2V \pm 18 \text{amps}$

$VA = 40$
 $N/E = 5.55$

SPEC. NO. 2380

Winding	PR1	FIL					
Turns	665	14					
Taps	—	—					
Wind. Lgth.	1.25	Jumble					
Wire Size	#26	#13					
T.P.L.	67-10	2L					
Kind Term.	WIRE	ONLY					
Term. Lgth.	3"	3"					
Layer Insul.	40#						
Wrapper	210256A	210056A					
TUBE	71007		IMPREGNATION		VARNISH		
CURE	1X1						

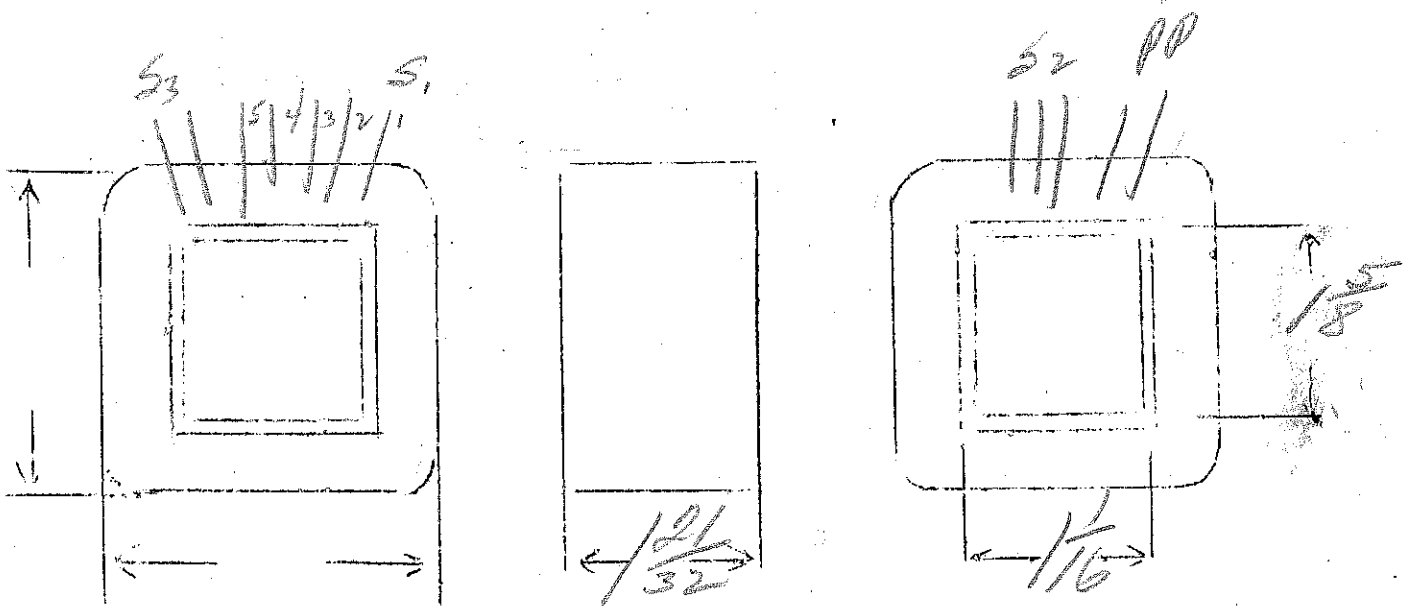


Ep - 115V - 50A
 Ef - 9V-tap 8, 7.6V - 8amp
 Ef - 1V.C.T. - 5amps
 Ef3 - 6.3V - 1amp

VA -
 N/E = 3.6

SPEC. NO. 2381

Winding	PR1	SEC ₁		SEC ₂	SEC ₃		
Turns	415	36		4	25		
Taps	-	32-28-24		2	-		
Wind. Lgth.	1 15/32	-		-	-		
Wire Size	#22	#13		#15	#22		
T.P.L.	53-8 50-9	2L	-				
Kind Term.	#10 Pwr		WIRE ONLY - SLEEVES				
Term. Lgth.	12"	12"		12"	12"		
Layer Insul.	50#	.005	-	-	-		
Wrapper	2L0056A	2L0056A			2L0056A		
TUBE	72007			IMPREGNATION		VARNISH	
CURE	1 1/6 x 5/8						



E₃ = 650 amp 500V C.T. 100MΩ

E_{F1} = 5V - 3amps C.T.

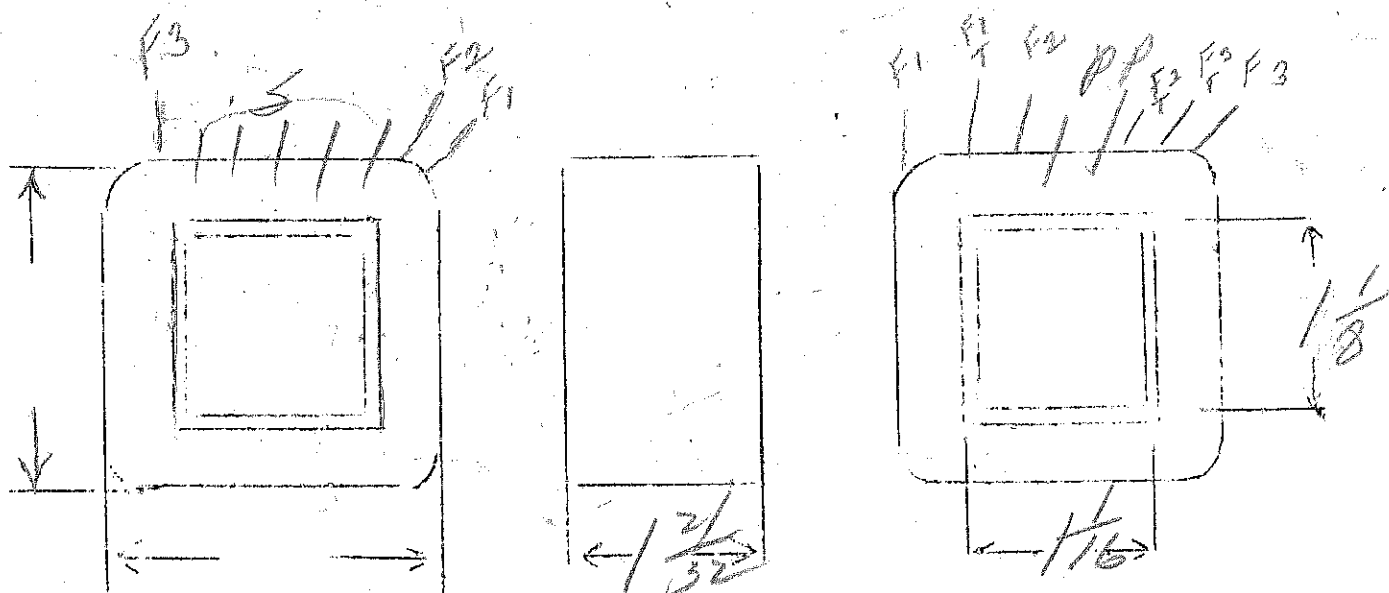
4.7

E_{F2} = 2.5V - 1.75 amp C.T.

E_{F3} = 2.5V - 1.5 amp C.T.

SPEC. NO. 2382

Winding	SEC	SHIELD	PRI	F ₁	F ₂	F ₃	
Turns	3400 3060 1700	63	565	26	13	13	
Taps	340			13	6	6	
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	—	—	—	
Wire Size	#33	#24	#24	#18	#20	#20	
T.P.L.	170-20	63	63-9	—	—	—	
Kind Term.	Sil. Pav.	WIPE ONLY		1 layer			
Term. Lgth.	3"	3"	3"	3"	3"	3"	
Layer Insul.	double 16#	—	40#	—	—	—	
Wrapper	1L007VC	1L007VC	2L0056A	2L0056A	2L0056A		
TUBE	76007	IMPREGNATION			VARNISH		
CURE	1 ¹ / ₁₆ x 1 ¹ / ₈						



$E_p = 95V$

$E_s = 650VCT$

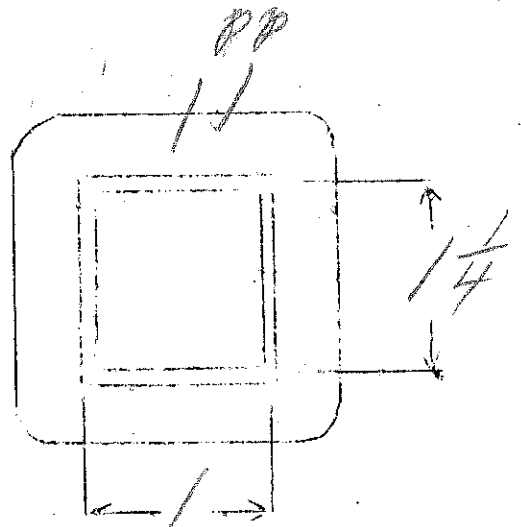
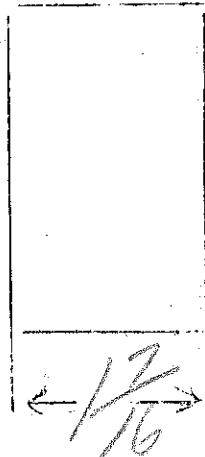
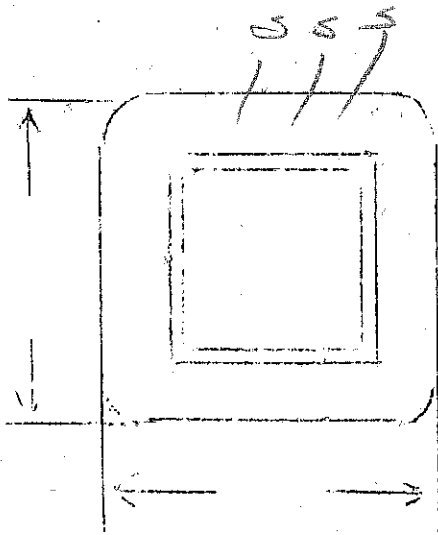
$E_{F1} = 5V - 2 \text{ amps}$

$E_{F2} = 63V - 2.2 \text{ amps}$

$\frac{N}{E} = 44$

SPEC. NO. 2383-A

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3160	61	424	25	31		
Taps	1580	-	-	-	-		
Wind. Lgth.	1.25	1.25	1.25	-	-		
Wire Size	#36	#25	#25	#21	#20		
T.P.L.	200-16		61-7				
Kind Term.	#22 PBL	W.O.	#22 PBL	WIPE ONLY			
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	double 16#		40#				
Wrapper	2L007C	2L005VC	2L005GA	2L005GA	2L005GA		
TUBE	3L007			IMPREGNATION	VARNISH		
CURE	1x1/4						

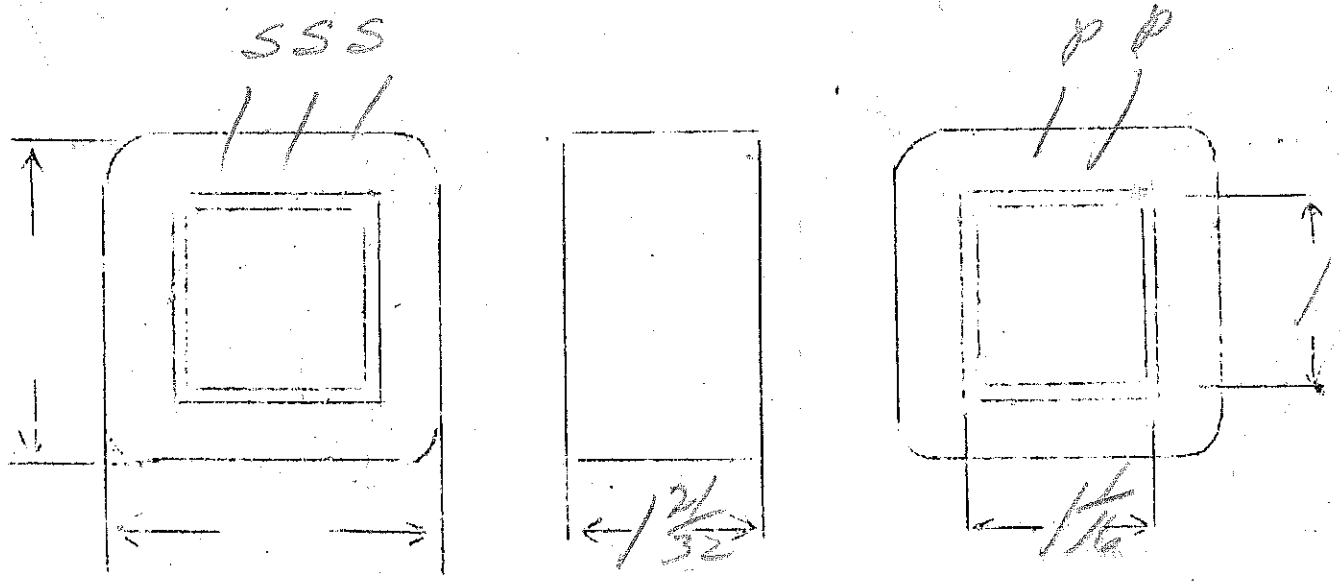


Ep - 1120
 Es - 600VCT - 90 MA
 Ef - 6.3V - 2amp
 Ep - 5.0V - 2amp

VA = 50 WATTS
 M/E - 5.3

SPEC. NO. 2385

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3500	64	636	30	38		
Eps	1750		—	—	—		
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	—	—		
Wire Size	#33		#24	#20	#20		
T.P.L.	75-20		64-10				
Kind Term.	#20 Pwr Br	WIRE ONLY	#20 Pwr Br	WIRE ONLY			
Term. Lgth.	9	3	9	9	9		
Layer Insul.	double 16#	—	40#	—	—		
Wrapper	K007VC	K007VC	21005GA	21005GA	21005GA		
TUBE	71007	IMPREGNATION			VARNISH		
CURE	1 hr						



Ep - ^{tapped} 105-115-125

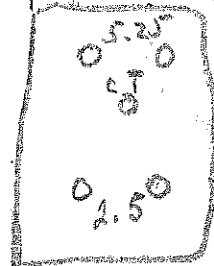
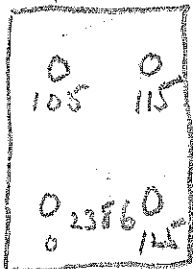
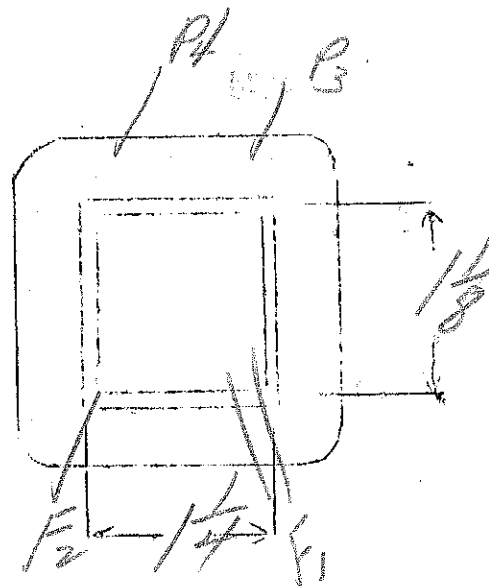
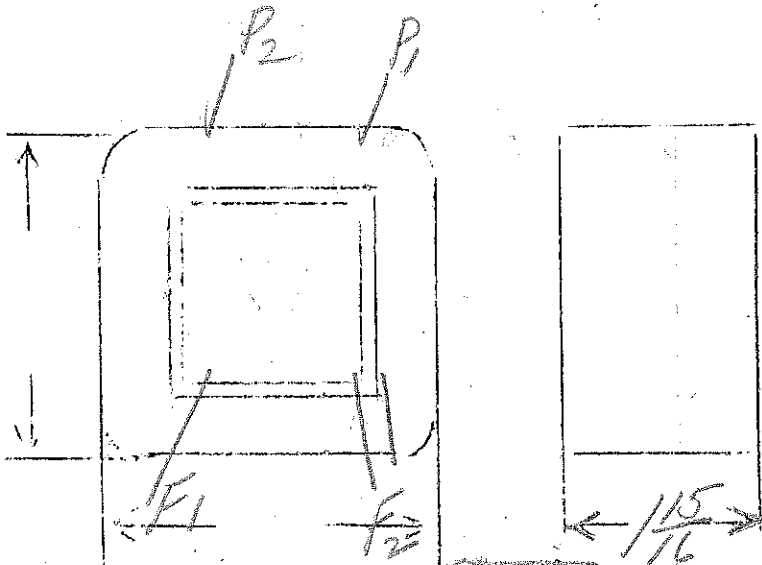
E_{F1} - 5.25 V CT - 10 amps

E_{F2} - 2.5 V - 10 amps - 5000 V Ins

SPEC. NO. 2386

Winding	PR1	F ₁	F ₂			
Turns	500 460	23	11			
Taps	420	12	-			
Wind. Lgth.	1.75					
Wire Size	#21	double #15	#12			
T.P.L.	53-10					
Kind Term.	WIRE ONLY					
Term. Lgth.	4"	4"	4"			
Layer Insul.	50#					
Wrapper	210076A	210076C	210076C			
TUBE	71009	IMPREGNATION		VARNISH		
CURE	1 hr x 1/8					

"F" MTG



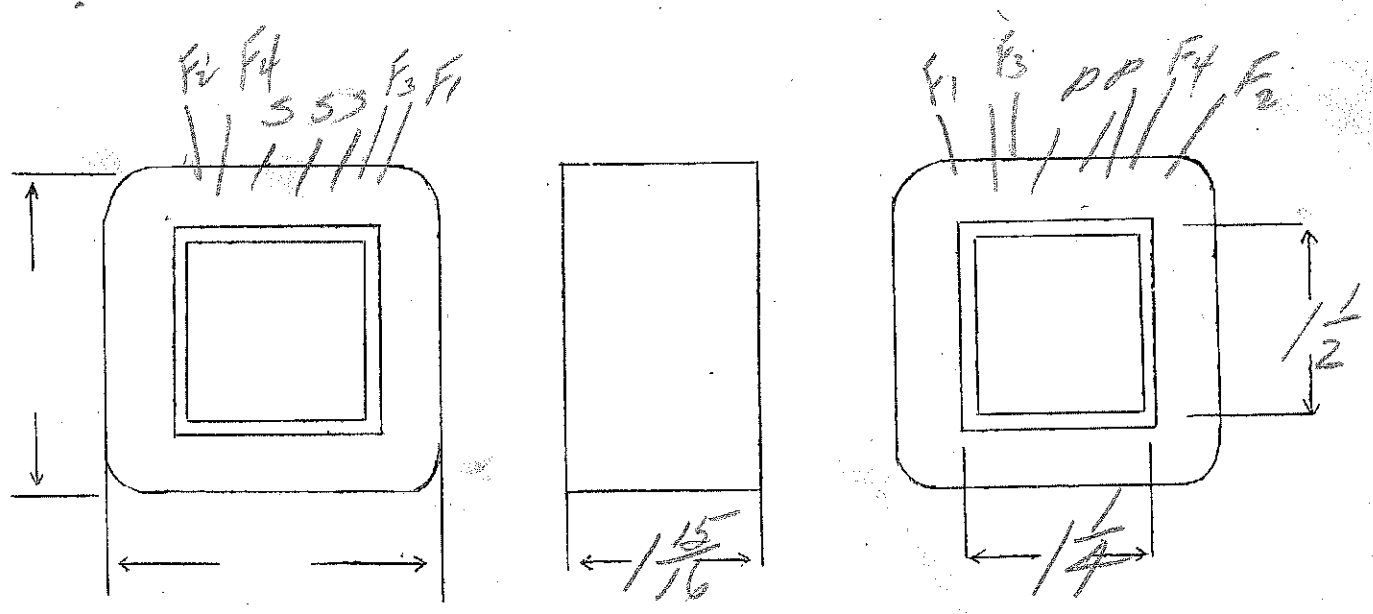
Ep - 117V

Es - 750VCT. - 150 MA.

EF1 - 5V - 5amp
 EF2 - 2.5V A.T. - 5amp
 EF4 - 6.3V CT - 15amp
 EF3 - 6.3V - 3amp

SPEC NO. 2387

Winding	SEC	SHIELD	PRI	F1	F2	F3	F4
Turns	2700	152	380	18	9	23	23
Taps	1350	—	—	—	5	—	12
Wind. Lgth.	1.75	1.75	1.75	—	—	—	—
Wire Size	#31	#31	#21	#18	#16	#18	#21
T.P.L.	152-18	152	55-7	—	—	—	—
Kind Term.	#20 Pm Br	Sil Br	#20 Pm Br	WIPE ONLY			
Term. Lgth.	9	3	9	9	9	—	—
Layer Insul.	double 16#	—	50#	—	—	—	—
Test Volt.	2500	—	1250	2500	1250	1250	1250
Wrapper	11007VC	11007VC	21007GA	21007GA	—	—	21007GA
TUBE	71007	IMPREGNATION			YARNISH		
CORE	1/4 x 1/2 Dynamo	PRIMARY V.A.			—		
MOUNTING	A	—					



DESIGNED BY *SWW*

DATE 10-12-36

Ep-115-122

Es - 2400V - 300MA

M/E - 1.35

SPEC. NO.

2388

Ef - 11V - 5 amper ^{plate}

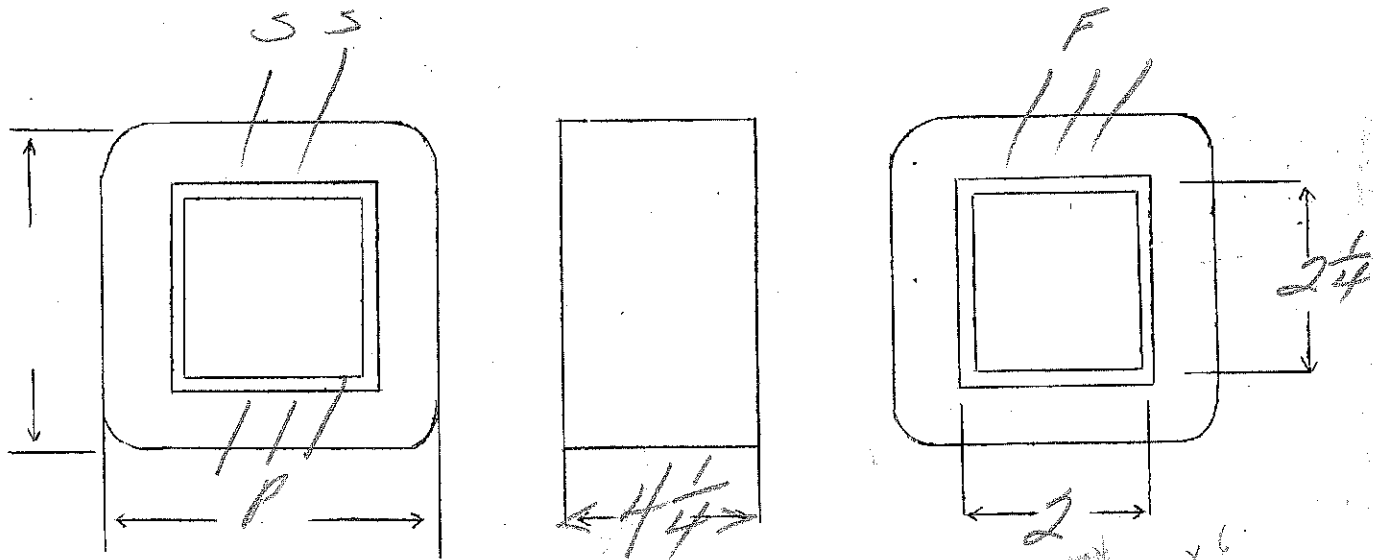
Winding	SEC	PRI	FIL				
Turns	3600	165	16				
Taps	—	155	8				
Wind. Lgth.	3 5/8	3 5/8	—				
Wire Size	#26	#11	#15				
T.P.L.	18-20	35-5	—				
Kind Term.	#14 motor lead wire	WIRE ONLY	WIRE ONLY	bleaming			
Term. Lgth.	12"	3"	12"				
Layer Insul.	doubly 50#	007 Kraft	—				
Test Volt.	7500	2500	1500				
Wrapper	3L007VC	3L005GA	1L010RK				

TUBE | 10L007+2L007VC | IMPREGNATION | VARNISH

CORE | 2x2 1/4 | PRIMARY V.A. | 1200

MOUNTING *Unclashed. Use al. frame with angle iron legs*

Sec leads 12"
 Fil leads 12"
 Pri to lugs



DESIGNED BY *Glenn*

DATE 10-13-36

Ep - 190-210-230-250-270

$\frac{N}{E} = 1.06$

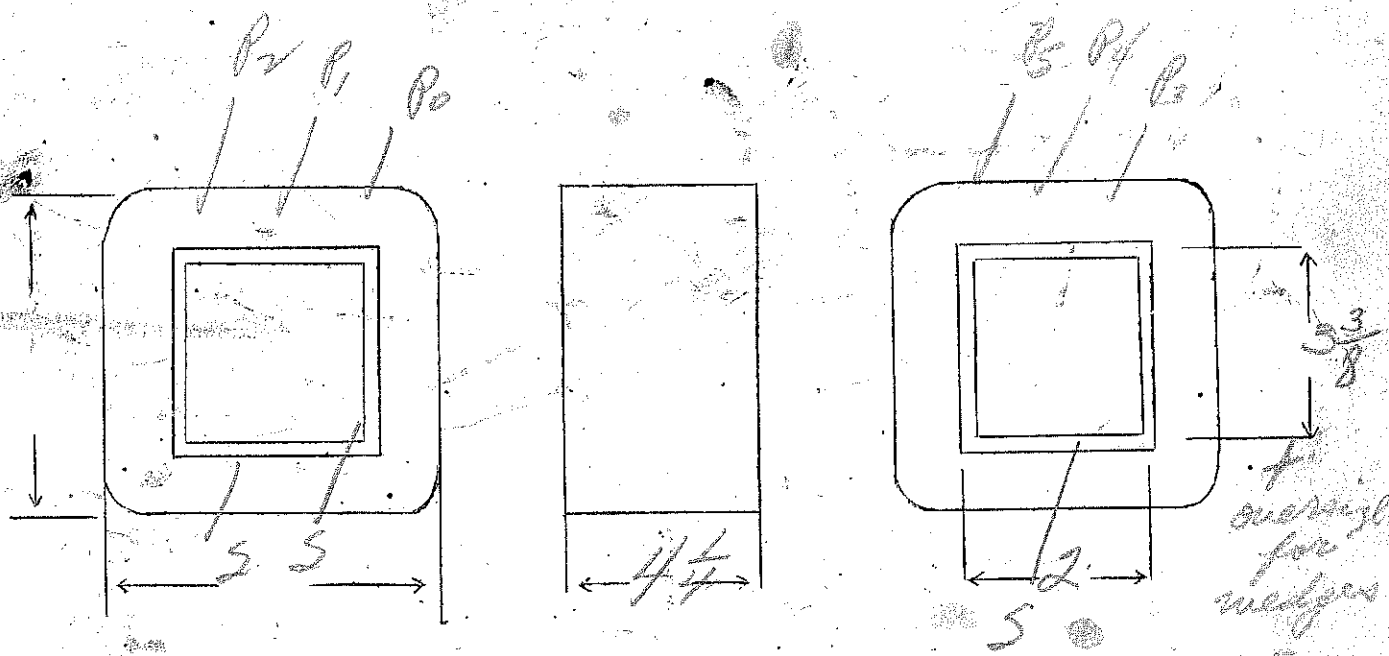
Es - 5000 VET. - 300 M9

SPEC. NO. 2389

Winding	SEC		PR1			
Turns	6000		286			
Taps	3000		265-244-223-202			
Wind. Lgth.	3 $\frac{11}{16}$		3 $\frac{11}{16}$			
Wire Size	#26		#14			
T.P.L.	200-30		51-6			
Kind Term.	WIRED ONLY					
Term. Lgth.	10"		10"			
Layer Insul.	double 40#		007 Kraft			
Test Volt.	1000V		2500			
Wrapper	151005GA		140056A 14010 RB			

aligned
151005GA

TUBE	10L007+2L007VC	IMPREGNATION	VARNISH
CORE	2x3 $\frac{1}{4}$	PRIMARY V.A.	900
MOUNTING	J - Pin to stud bolts - pins to large neon type stand-off insulators		



DESIGNED BY *Howe*

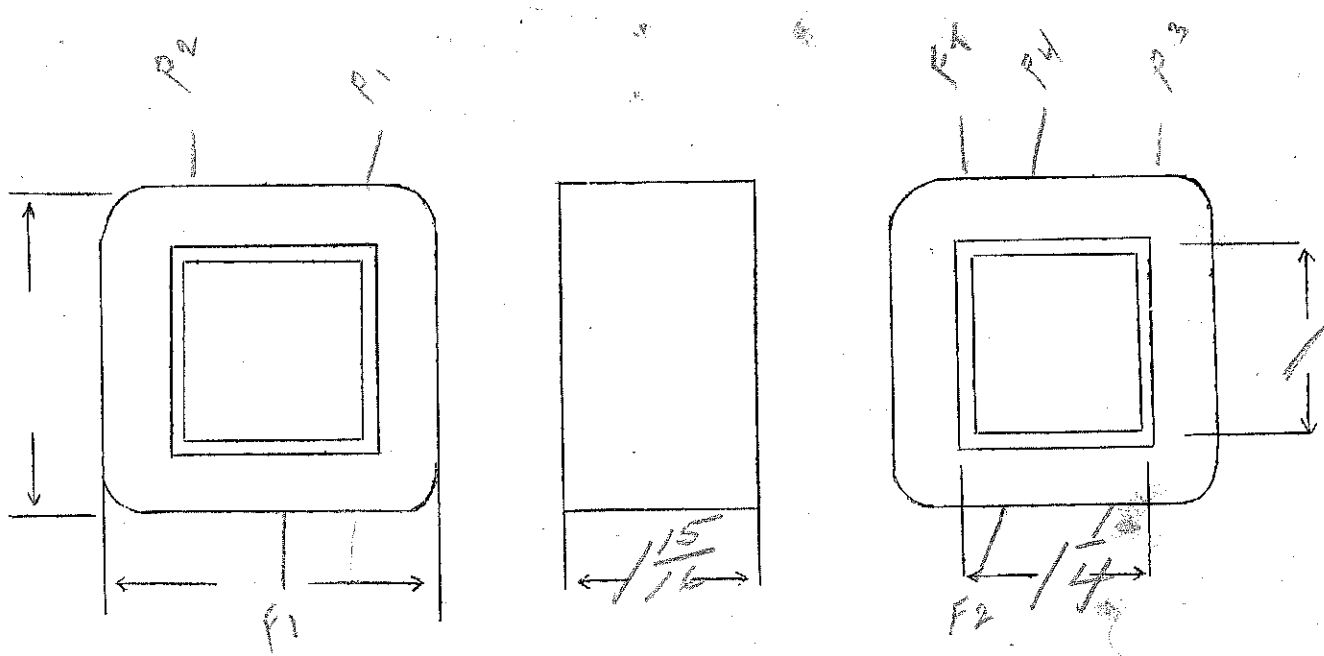
DATE 10-13-36

$E_p - 215, 225, 240$

$E_s - 25V.C.T. - 10amps - 10,000V \text{ Ins. } \frac{N_s}{N_p} = \frac{45}{1}$

SPEC. NO. 2390

Winding	PRI	SEC					
Turns	1080	12.5					
Taps	1030-970	6					
Wind. Lgth.	1.75	—					
Wire Size	#27	#11					
T.P.L.	105-12	—					
Kind Term.	WIRE ONLY						
Term. Lgth.	9"	9"					
Layer Insul.	40#	—					
Test Volt.	2500	10000					
Wrapper	3L007VC 3L007GA	3L007VC 3L007GA					
TUBE	7L007		IMPREGNATION	VARNISH			
CORE	1 1/2 x 1		PRIMARY V.A.	35			
MOUNTING	J - similar to #720J						



DESIGNED BY *GWV*

DATE *10-13-36*

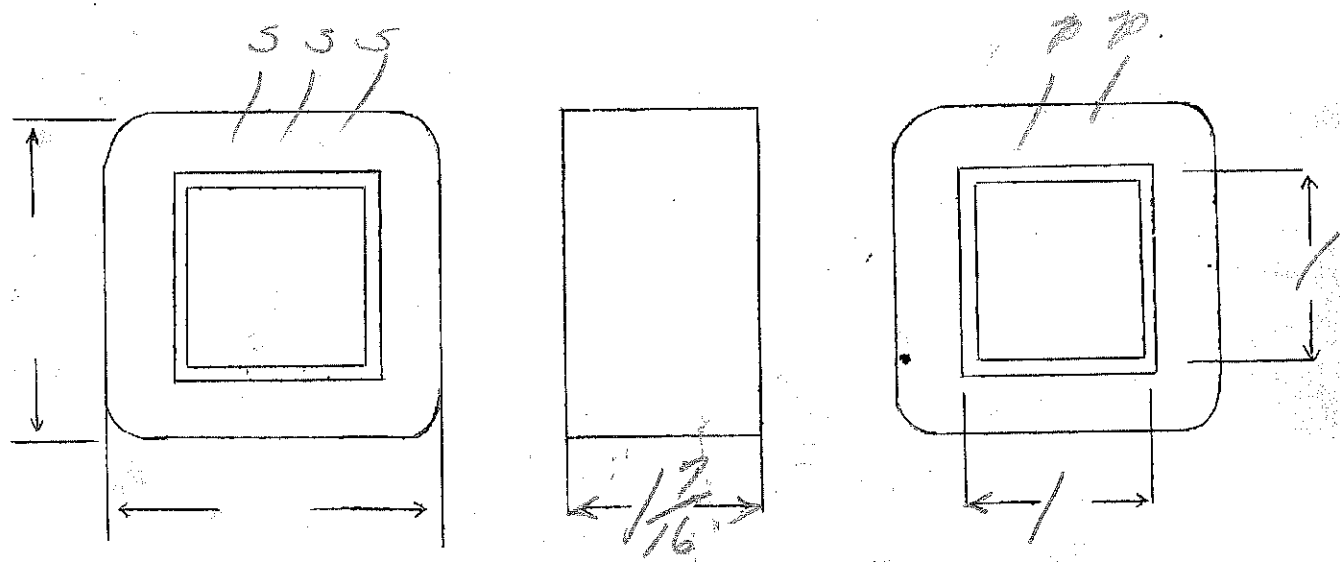
Ep - 103
 Es - 625VCT-40M9
 Ef1 - 5V - 2amp
 Ef2 - 6.3V - 2amp

5-18

SPEC. NO. 2391-A

Winding	SEC	SHIELD	PRI	F ₁	F ₂		
Turns	3680	67	534	29	36		
Taps	1840	—	—	—	—		
Wind. Lgth.	1.25	1.25	1.25	1.25	—		
Wire Size	#36	#26	#26	#21	#21		
T.P.L.	205	—	67-8	—	—		
Kind Term.	#36	N.O.	#36	WIRE ONLY			
Term. Lgth.	9	3	9	9	9		
Layer Insul.	double 16#	—	40#	—	—		
Test Volt.	2500	—	1250	—	—		
Wrapper	1L007VC	1L005VC	2L005GA	2L005GA	2L005GA		

TUBE 52007 IMPREGNATION VARNISH
 CORE 1x1 PRIMARY V.A. —
 MOUNTING A



DESIGNED BY Glow

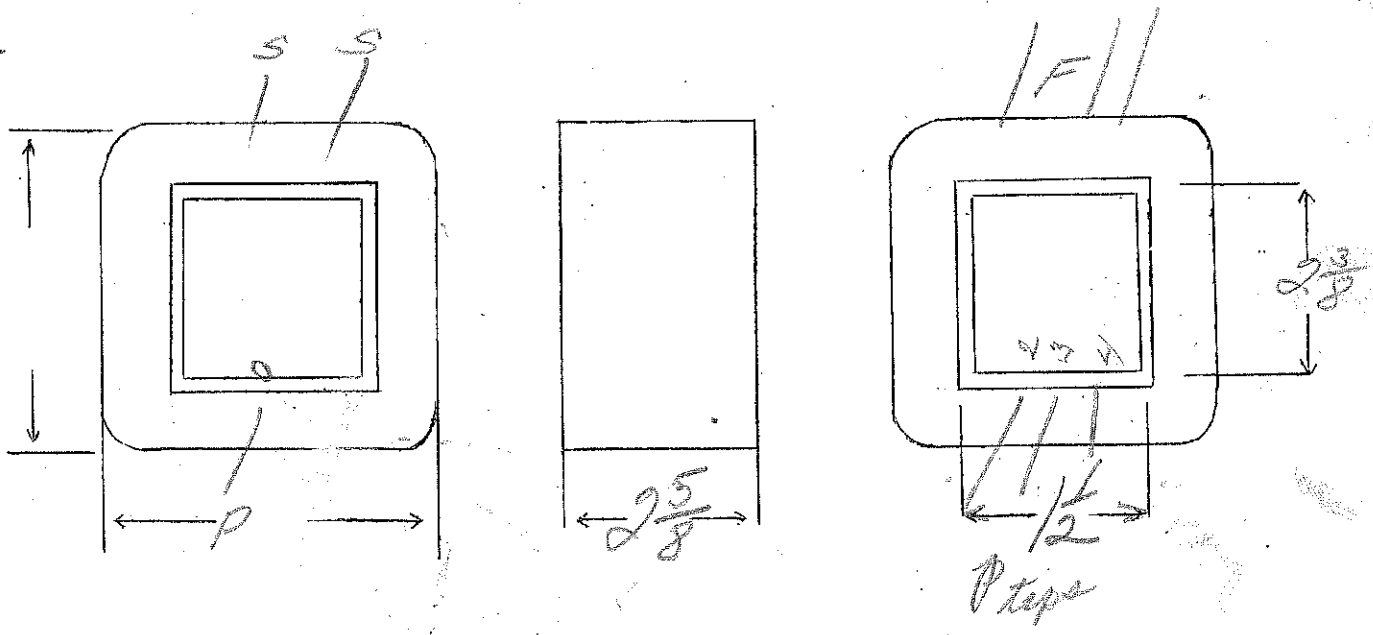
DATE 10-13-36

Ep - 105-115-125
 Es - 1100V - 200Ma
 Ef - 5V-CT - 6.5 amps

SEC VA = 200
 PRI VA = 500 - 55% PF
 1.65 SPEC. NO. 2392

Winding	SEC	PRI	FIL			
Turns	2000	206 190	9			
Taps	—	175	5			
Wind. Lgth.	2 ³ / ₈	2 ³ / ₈	—	CT #16 Par Brand		
Wire Size	#27	#15	double #16			
T.P.L.	143-14	36-6				
Kind Term.	#20 Par Par	WIRE ONLY	WIRE ONLY	sleeving		
Term. Lgth.	12"	3"	12"			
Layer Insul.	double 40#	.007	—			
Test Volt.	5000	2500	1500			
Wrapper	210056A	210056A	210056A			

TUBE 92007 H1007C IMPREGNATION VARNISH
 CORE 1 1/2 x 2 3/8 PRIMARY V.A.
 MOUNTING uncase - pri to lugs, leads on secondaries



DESIGNED BY *How* DATE 10-15-36

$$E_p = 115V$$

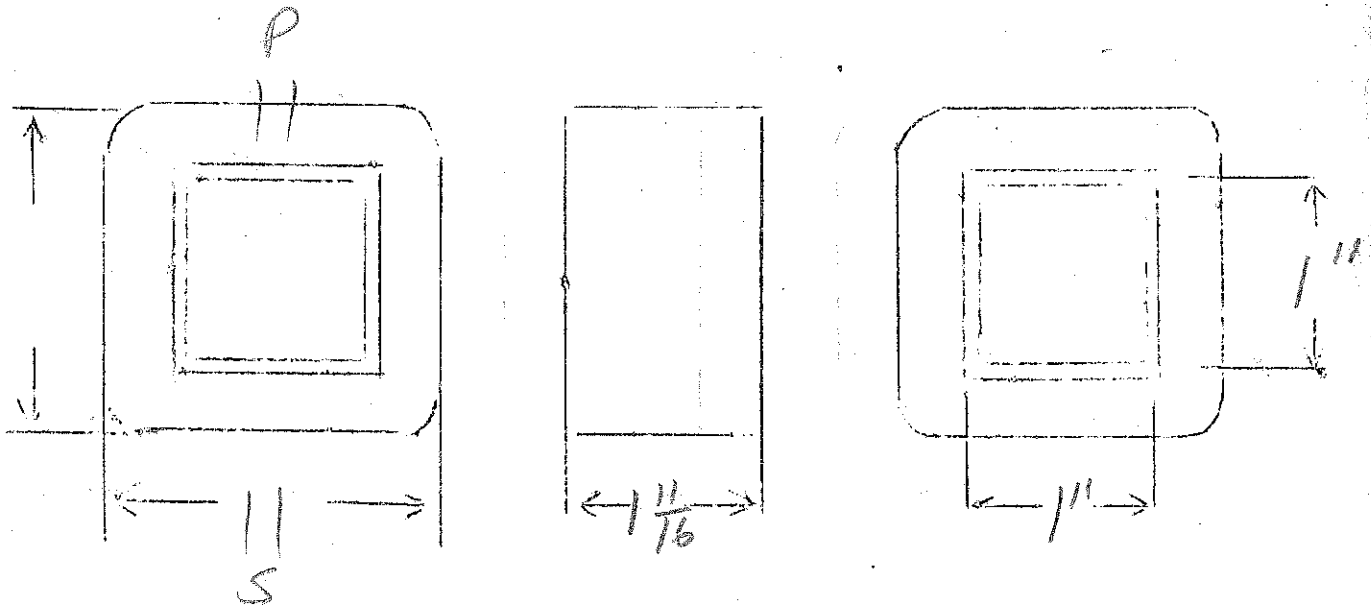
$$\frac{N}{E} = 8$$

$$E_s = 24V \quad 1.1 \text{ amps}$$

$$B = 11,500$$

SPEC. NO. 239Z

Winding	PRI	SEC				
Turns	920	255				
Taps	—	NONE				
Wind. Lgth.	1.5	1.5				
Wire Size	#28	#21				
T.P.L.	94-10					
Kind Term.	WIRE ONLY					
Term. Lgth.	3"	3"				
Layer Insul.	30#					
Wrapper	1L005VC	2L0050A				
TUBE	7L007		IMPREGNATION		VARNISH	
CURE	1Y3/4 M RECLAIMED					



Ep- 105-115-125
 Es- 1100V-400Ma
 Ef- 5V.C.T. - 13amps

DL #2343

SPEC. NO. 2393

14/3

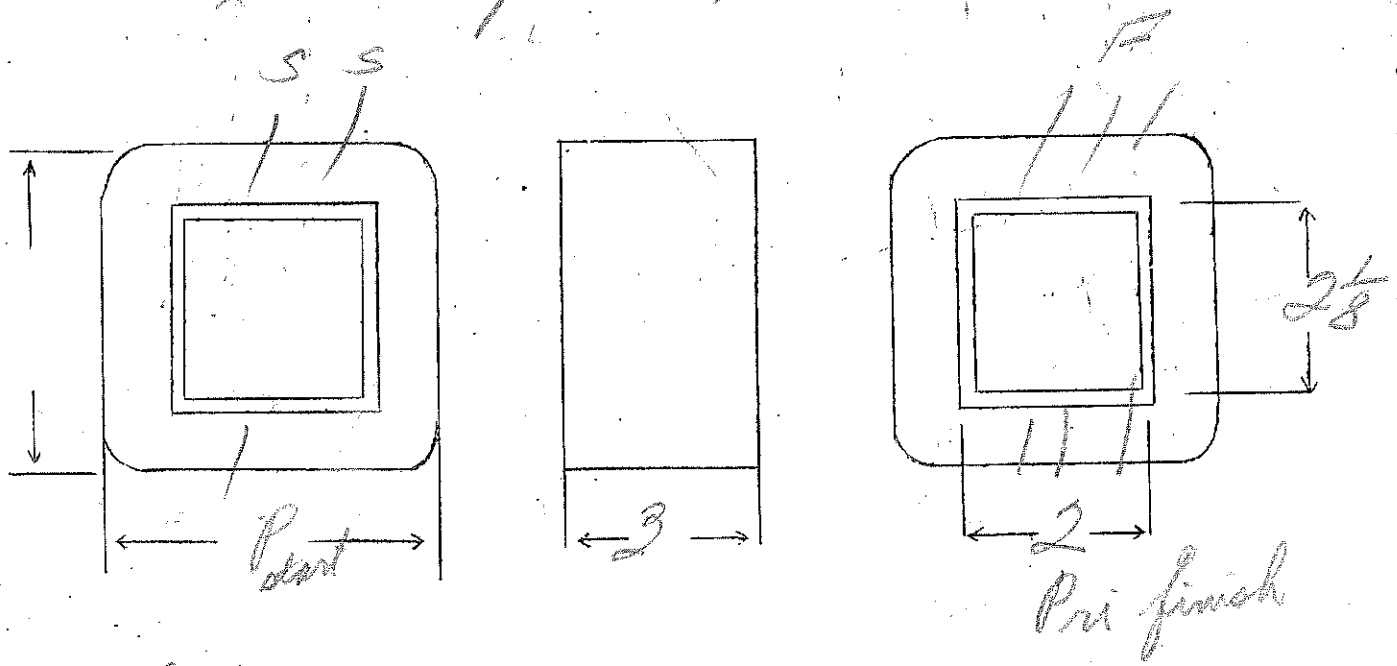
Winding	SEC	PRI	FIL			
Turns	1740	178	8			
Taps	—	165	4			
Wind. Lgth.	2 7/16	2 7/16	—			
Wire Size	#24	#13	#11 flat			
T.P.L.	103-17	6L				
Kind Term.	#20 P Br	WIRE ONLY		outside ribbon leads C.T. #16 Prg Brand		
Term. Lgth.	12"	3"	12"			
Layer Insul.	double 40#	107 Kc	—			
Test Volt.	5000	1250	1250			
Wrapper	2L007VC 2L005BA	2L005BA	2L005BA			

TUBE | 10L007+H007VC | IMPREGNATION | VARNISH

CORE | 2x2 1/8 short E | PRIMARY V.A.

MOUNTING | uncast - alum. frames with angle iron legs

pri to legs
 sec and filament, leads.



DESIGNED BY *How*

DATE 10-15-36

Ep - 110 - 115 - 120

VA = 750

Es - 3600V CT - 400MA

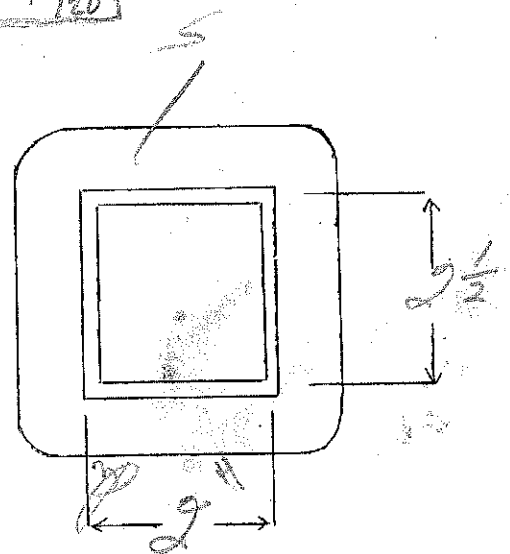
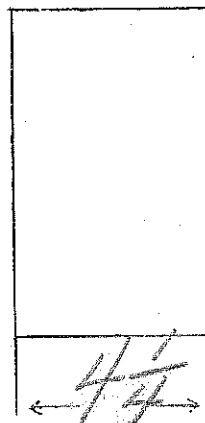
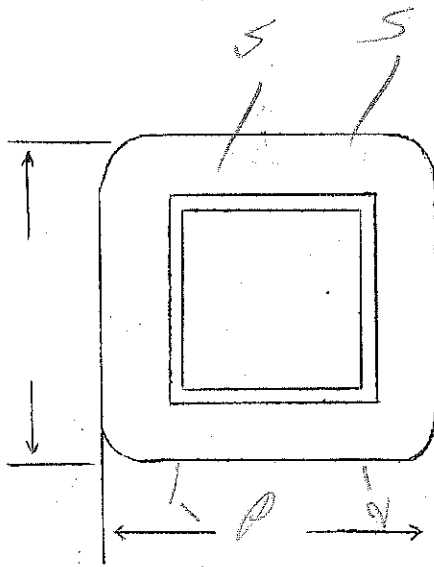
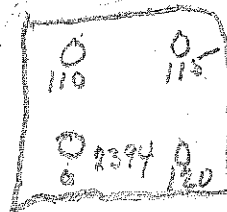
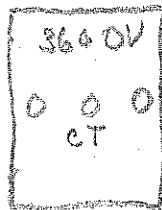
to deliver 1500V - 400MA for 2-Hr 100

1.23

SPEC. NO.

2394

Winding	SEC	PRI				
Turns	4900	148				
Taps	2450	142-136				
Wind. Lgth.	3 1/16	.				
Wire Size	#26	#11				
T.P.L.	190-26	5L				
Kind Term.	WIRE ONLY					
Term. Lgth.	6"	6"				
Layer Insul.	double 40#	007Kft				
Test Volt.	7500	—				
Wrapper	3L007VC 3L005EA	2L005EA				
TUBE	10L007+1L007VC		IMPREGNATION	VARNISH		
CORE	2 x 2 1/2		PRIMARY V.A.	750		
MOUNTING	G					



DESIGNED BY *How*

DATE 10-19-36

Ep - 6V (full wave)

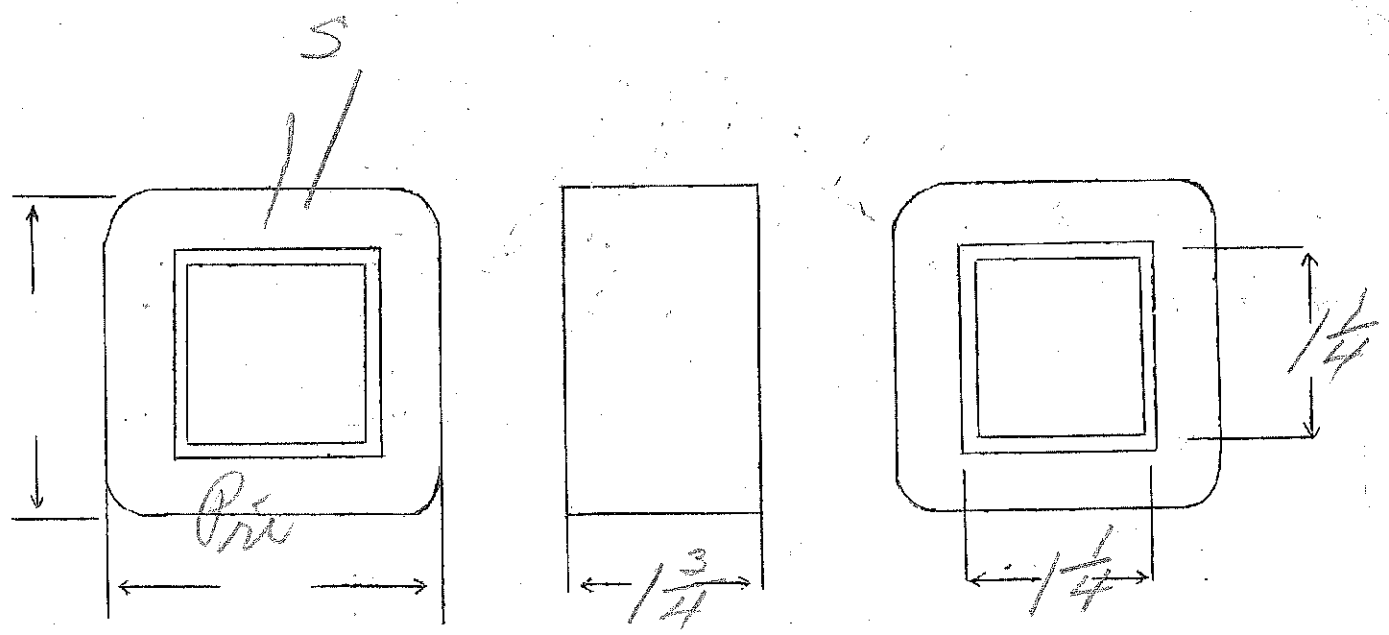
Es - 3000V - 20mA

$\frac{N}{E} = 42$

SPEC. NO. 2395

Winding	SEC	PRI				
Turns	15000	50	black	white		
Taps	—	30	25-20	- 0		
Wind. Lgth.	$\frac{1}{8}$	$\frac{1}{4}$	split 25 tap so that separate connections may be made			
Wire Size	#40	#14				
T.P.L.	285-54	3L				
Kind Term.	#20 200	WIRES ONLY				
Term. Lgth.	9"	9"				
Layer Insul.	3L #12	007				
Test Volt.	10,000					
Wrapper	42007V 32007GA	26007GA				

TUBE	72007/26007VE	IMPREGNATION	VARNISH
CORE	$\frac{1}{4} \times \frac{1}{4}$	PRIMARY V.A.	
MOUNTING	BB		



DESIGNED BY *W. W.*

DATE 10-16-36

Ep-115
 E₃ - 8V-3amps
 E₃-VGT-1amp

E₃ - 6V-1 amp

$\frac{N}{E} = 5.5$

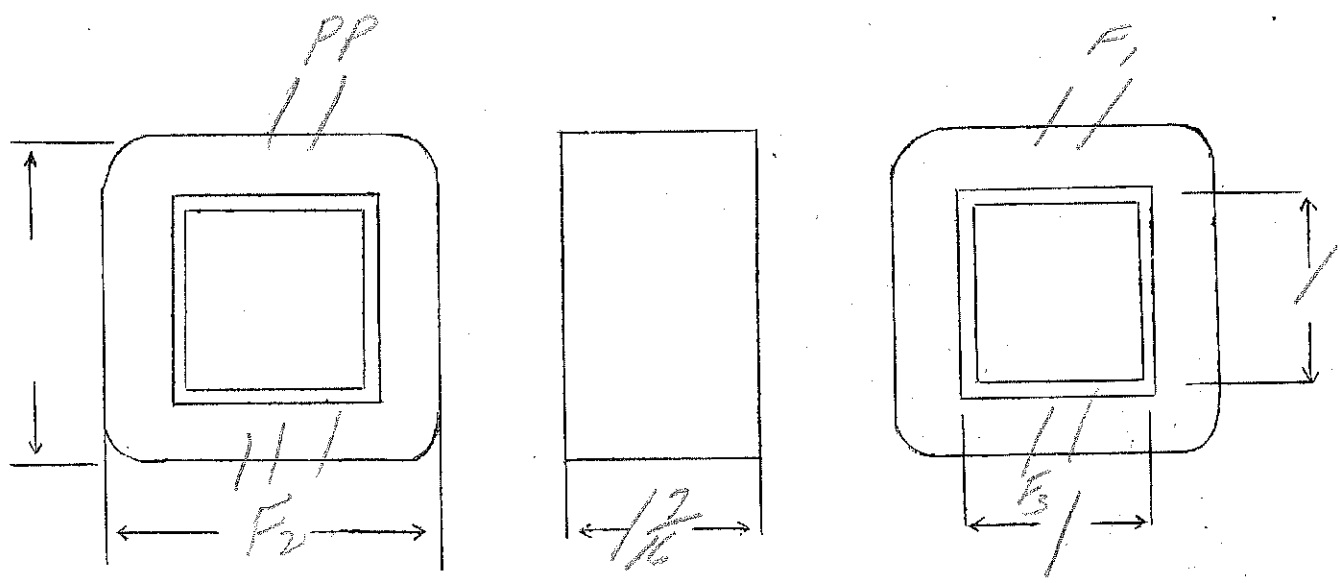
SPEC. NO. 2396

Winding	PRI	F ₁	F ₂	F ₃			
Turns	638	50	6	38			
Taps			3	—			
Wind. Lgth.	1.25	—	—	—			
Wire Size	#27	#17	#20	#22			
T.P.L.	72						
Kind Term.	#20 P122	WIRES ONLY		SLEEVING			
Term. Lgth.	9"	9"	9"	9"			
Layer Insul.	40#						
Test Volt.	1500						
Wrapper	2W05GA	2W05GA		2W05GA			

TUBE | 7L007 | IMPREGNATION | VARNISH

CORE | 1X1 | PRIMARY V.A. |

MOUNTING | uncast - two "C" brackets only



DESIGNED BY *gww*

DATE *10-20-36*

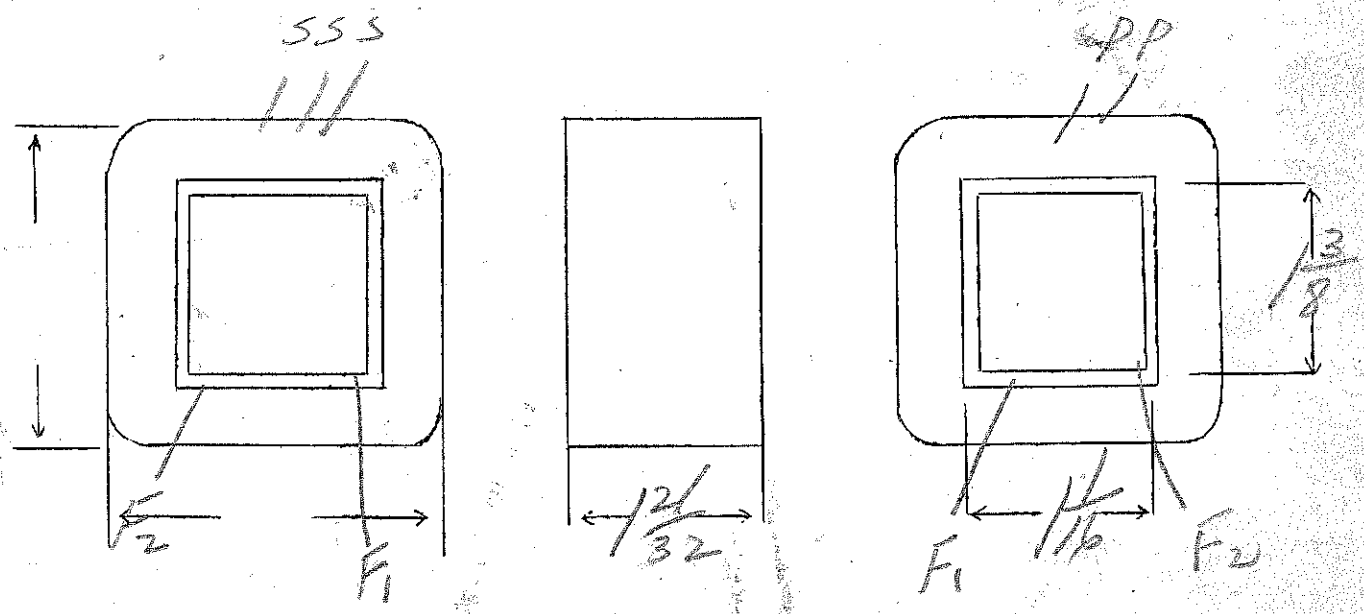
Ep - 240V
 E2 - 250V CT - 90MA

EF₁ - 6.3V - 3amp EF₂ - 5V - 2amp

SPEC. NO. 2398 - 240 volt

Winding	SEC	SHIELD	PRI	Blue F ₁	Green F ₂		
Turns	3250	87	960	28	23		
Taps	1625	-	-	-	-		
Wind. Lgth.	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	1 ¹⁵ / ₃₂	-	-		
Wire Size	#33	#27	#27	#18	#20		
T.P.L.	163-20		88-11				
Kind Term.	#20 P/W	W.O.	#20 P/W	WIRE	ONLY		
Term. Lgth.	9"	8"	9"	9"	9"		
Layer Insul.	double 16#		40#				
Test Volt.	-	-	-	-	-		
Wrapper	1007VC	1007VC	2005GA	2005GA	2005GA	Double	
TUBE	72007			IMPREGNATION		VARNISH	
CORE	1 ¹ / ₁₆ x 1 ³ / ₈			PRIMARY V.A.			
MOUNTING	A						

Special Filament Positions



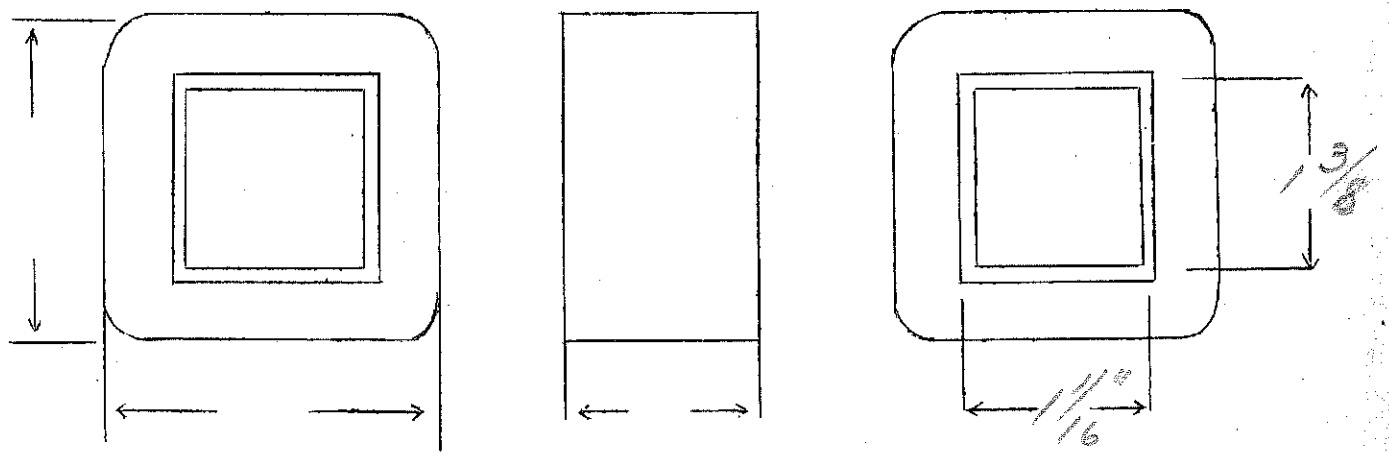
DESIGNED BY *Sw* DATE 2/9/37

Same as #2398 -
 $E_p = 127\frac{1}{2}V$

$\frac{2}{10} = 4$ SPEC. NO. 2398 - $127\frac{1}{2}V$

Winding	Sec	Shield	Prp	Fil.	Fil.		
Turns	/	/	510				
Taps			—				
Wind. Lgth.							
Wire Size			24F				
T.P.L.			64-8				
Kind Term.			70 70B				
Term. Lgth.			9"				
Layer Insul.							
Test Volt.							
Wrapper							

TUBE	7007	IMPREGNATION
CORE	$1\frac{1}{16}'' \times 1\frac{3}{8}''$	PRIMARY V.A.
MOUNTING	A	



DESIGNED BY

DATE

Sp- 120
 Es- 750V.C.T. - 90MA
 Ef- 6.3V 3amps
 Ee- 5V - 2amps

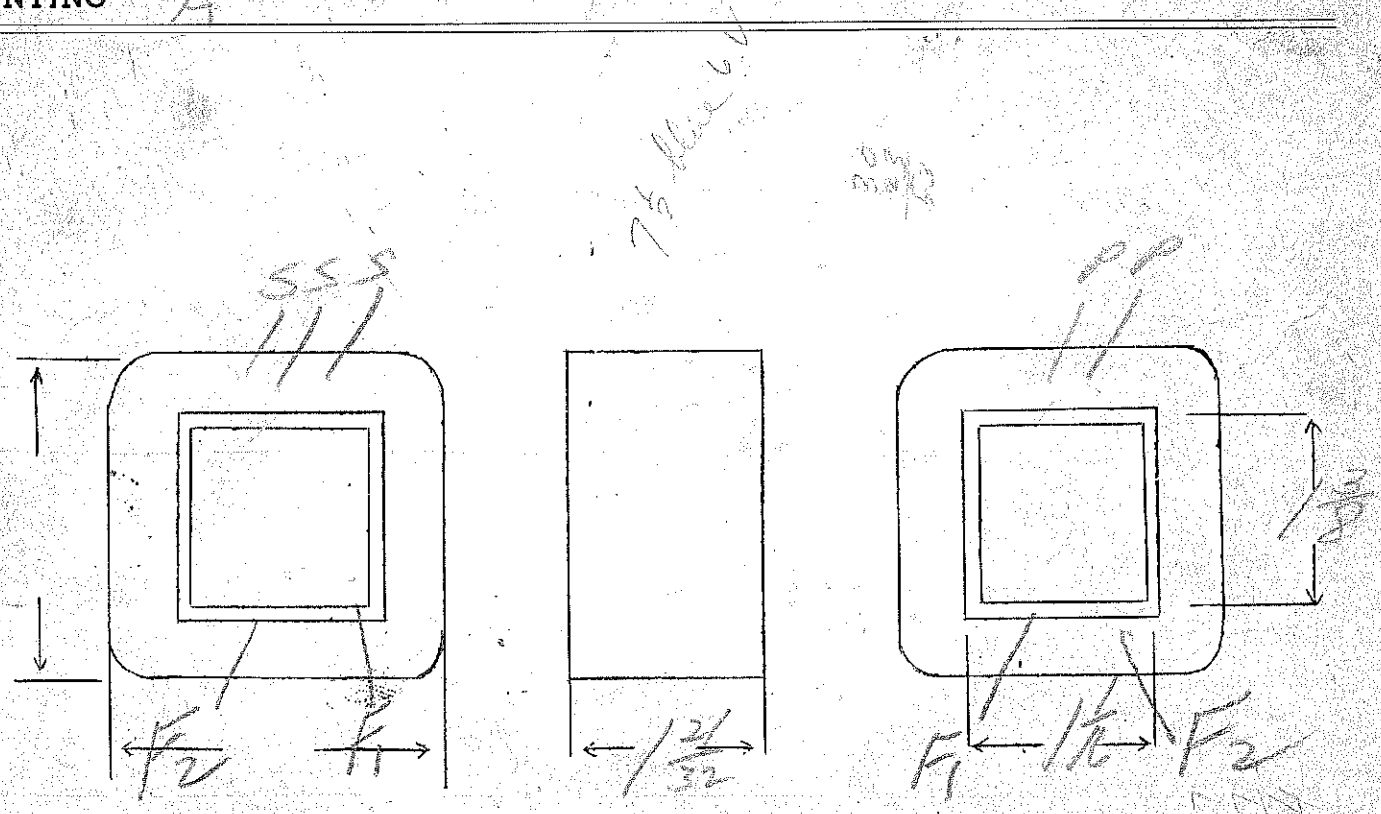
1-6A8, 1-6X4, 1-6H6
 2-6F6, 1-6Q5, 1-80

$M/E = 4$

SPEC. NO. 2398-A

Winding	SEC	SHIELD	PRI	Blue F ₁	Green F ₂		
Turns	3250	62	480	28	23		
Taps	16.25	—	—	—	—		
Wind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{15}{32}$	—	—		
Wire Size	#33	#24	#24	#18	#20		
T.P.L.	163-20		62-8				
Kind Term.	#20 P.P.V.	W.O.	#20 P.P.V.	WIRE	ONLY		
Term. Lgth.	9"	3"	9"	9"	9"		
Layer Insul.	20yds #16		50#				
Test Volt.	2500		1250	1250	2500		
Wrapper	1L005VC	1L005VC	2L005VC	2L005VC	2L005VC		

TUBE 7L007 IMPREGNATION VARNISH
 CORE 1/16 x 1/8 PRIMARY V.A.
 MOUNTING A



SIGNED BY [Signature]

DATE 10-22-36

- 115
- 500VCT

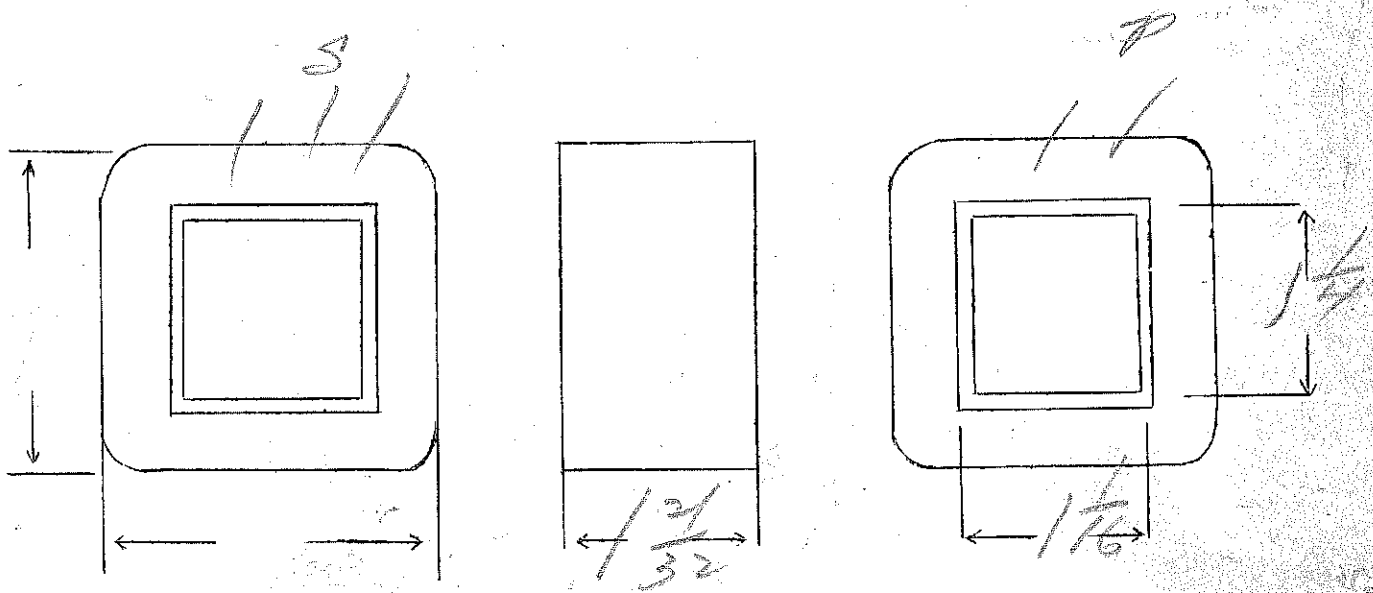
150Vdc, at 200 ma

5V - 3amp

435 μ m

SPEC. NO. 2399

ing	SEC	SHIELD	PRI	FIL		
is	2450	112	500	24		
ps	1225	-	-	-		
ind. Lgth.	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{15}{32}$	-		
Wire Size	#29	#29	#24	#18	use Double 21	
T.P.L.	112-22		56-9			
Kind Term.	#29 per Coard	W.O.	#20 per 1/2	W.O.		
Term. Lgth.	9"	3"	9"	9"		
Layer Insul.	30#	-	50#			
Test Volt.	2500	-	1250	2500		
Wrapper	100%VC	100%VC	2005GA	2005GA		
TUBE	7007				IMPREGNATION	VARNISH
CORE	1/16 x 1/4				PRIMARY V.A.	
MOUNTING	J					



DESIGNED BY *SW*

DATE 10-23-36

113