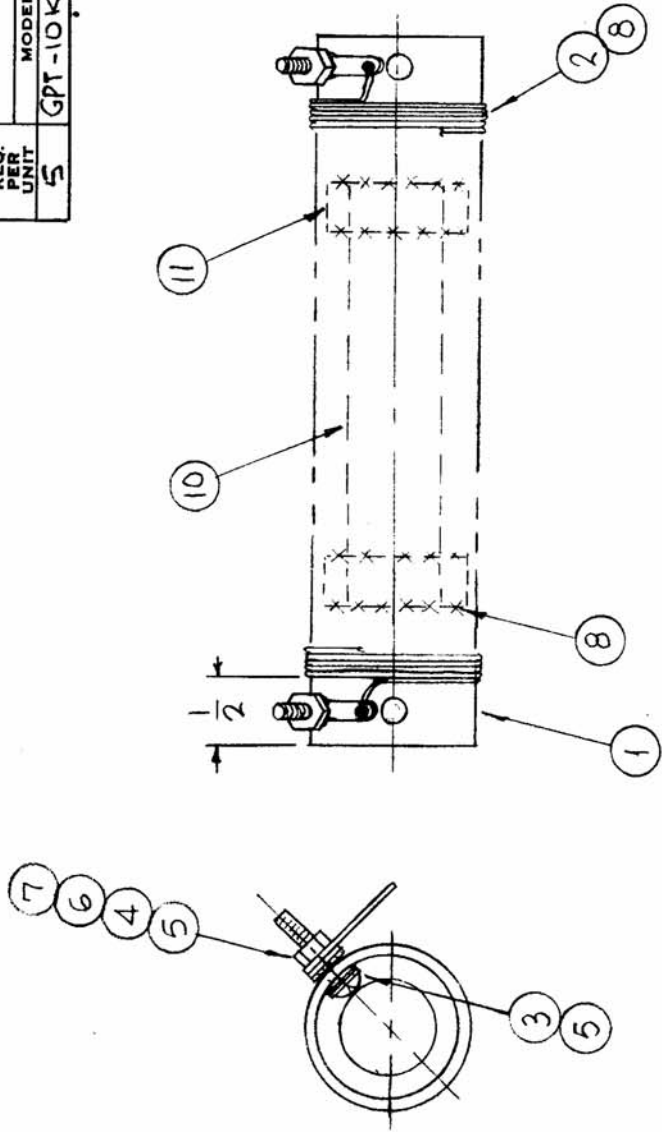


REQ. PER UNIT	MODEL	USED ON
5	GPT-10KLF	AX531
		DATE
		12-22-65

A4099-1 A

PROCEDURE:

- 1~ ASSEMBLE ITEMS 3,4,5,6,7 TO ITEM 1
- 2~ WIND 168 TURNS OF ITEM 2 & SECURE TO ITEM 6 WITH ITEM 9.
- 3~ TEST AS PER CHART 1
- 4~ BAKE FOR 15 MIN. AT 214°F, THEN INSERT ITEM 10 WRAPPED WITH ITEM 11. CENTERED IN ITEM 1,
- 5~ PAINT INSIDE & OUTSIDE WITH ITEM 8 AND BAKE FOR 15 MIN. AT 214°F,
- 6~ COOL & TEST AS PER CHART 2.



ELECTRICAL SPECS:

CHART I WITHOUT CORE	CHART II WITH CORE
L ~ 182 μ h \pm 10%	L ~ 900 μ h \pm 10%
Q ~ GREATER THAN 100	Q ~ GREATER THAN 35
TEST FREQ. 790 KC	TEST FREQ. ~ 790 KC

BOONTON Q METER 260A OR EQUIV.

2	11	TA111-2-2-1.875-G	TAPE, URETHANE
1	10	CI112-05-2.0-L	CORE, ROD
X	9	BS100	SOLDER, TIN, ALLOY
X	8	GL104-2	INSG, VARN, ELECT.
2	7	NTH0632BN8	NUT, HEX
2	6	TE113-149	TERM. LUG
4	5	LWE06MRN	WASHER, LOCK, EXT.
2	4	FW06HBN	WASHER, FLAT
2	3	SCBP0632BN8	SCREW, MACHINE
X	2	WI125-12	WIRE, CEROX
1	1	CF139-2	FORM, COIL

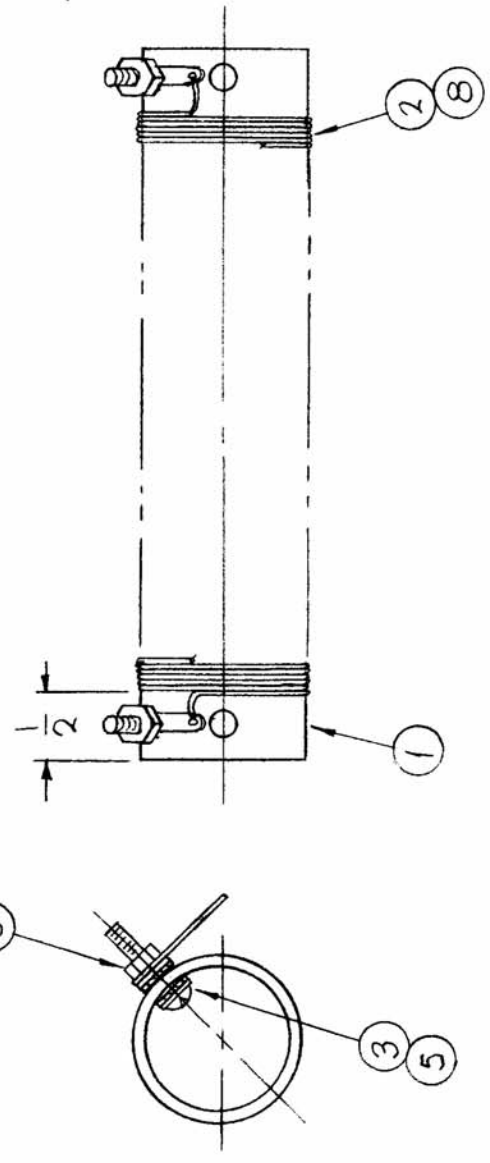
REQ. ITEM	PART NO.	F. BUDETTI DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP.	
		MAMARONECK, NEW YORK	
		COIL, RF	
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	CHART I - Q ~ WAS 100 \pm 10%	6-9-66	16364	JB	JB	JB
Ø	CHART II - Q ~ WAS 35 \pm 10%	3-7-66	AA	Jc	Jc	Jc
X1	ORIGINAL RELEASE FOR PRODUCTION	3-4-66	X1	MB	MB	MB
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	SCALE	1:1			
	TOLERANCES	FRACTIONS	± 1/64			
		DECIMALS	± .005			
		ANGLES	± 0° 30'			

REQ. PER UNIT: 2
 MODEL: GPT-10KLF
 ASSY. NO.: AX531
 DATE: 12-22-65
 USED ON: A4099-2 A

PROCEDURE:

- 1~ ASSEMBLE ITEMS 3, 4, 5, 6, 7 TO ITEM 1
- 2~ WIND 248 TURNS OF ITEM 2 & SECURE TO ITEM 6 WITH ITEM 9.
- 3~ TEST AS PER CHART
- 4~ BAKE FOR 15 MIN AT 214°F.
- 5~ PAINT OUTSIDE WITH ITEM 8 & BAKE FOR 15 MIN. AT 214°F.
- 6~ REMOVE FROM OVEN & COOL.



ELECTRICAL SPECS:

L ~ 400 μ h \pm 10%
 Q ~ GREATER THAN 100
 TEST FREQ. ~ 790 KC

USE BOONTON Q METER MODEL 260 A OR EQUIV.

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 9	BS 100	SOLDER, TIN, ALLOY	
X 8	GL104-Z	INSG, VARN, ELECT.	
Z 7	NTH0632BNS	NUT, HEX	
Z 6	TE113-149	TERM. LUG	
4 5	LWE06MRN	WASHER, LOCK, EXT.	
2 4	FWO6HBN	WASHER, FLAT	
2 3	SCBP0632BNS	SCREW, MACHINE	
X 2	WI 123-31	WIRE, ELECT. MAG. HT	
1 1	CF139-Z	FORM, COIL	
		F. BUDETTI	
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		COIL, RF	
		STOCK SIZE	
		MATERIAL	
		TYPE & TEMPER	
		HEAT TREAT. SPEC.	
		DRAWN	
		CHECKED	
		FINAL APPR. VAL	
		FINISH & SPEC. NO.	
		ELEC. DES. APP. MECH. DES. APP.	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	ELECT. SPECS. Q ~ WAS 110 \pm 10%	6-9-66	16364		JCB	
Ø	ORIGINAL RELEASE FOR PRODUCTION	3-7-66			Jc	
X 1	1/2 WAS 5/16, CF139-2 WAS CF139-1	3-4-66	X 1		MB	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE: 1:1		CODE: A		
TOLERANCES		FRACTIONS		DECIMALS		
± .05		± 1/64		± .005		
± .01		ANGLES		± 0° 30'		
± .005						