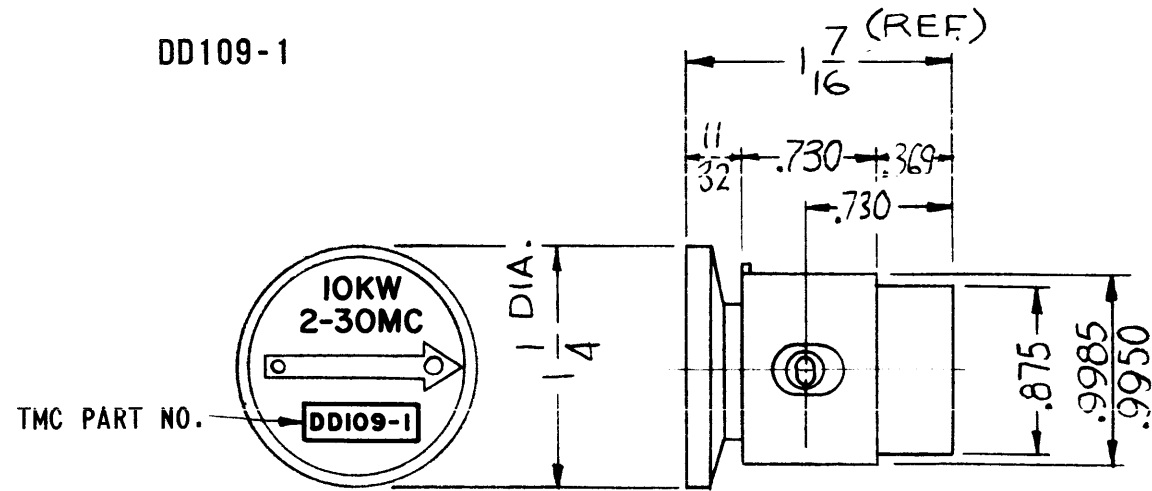
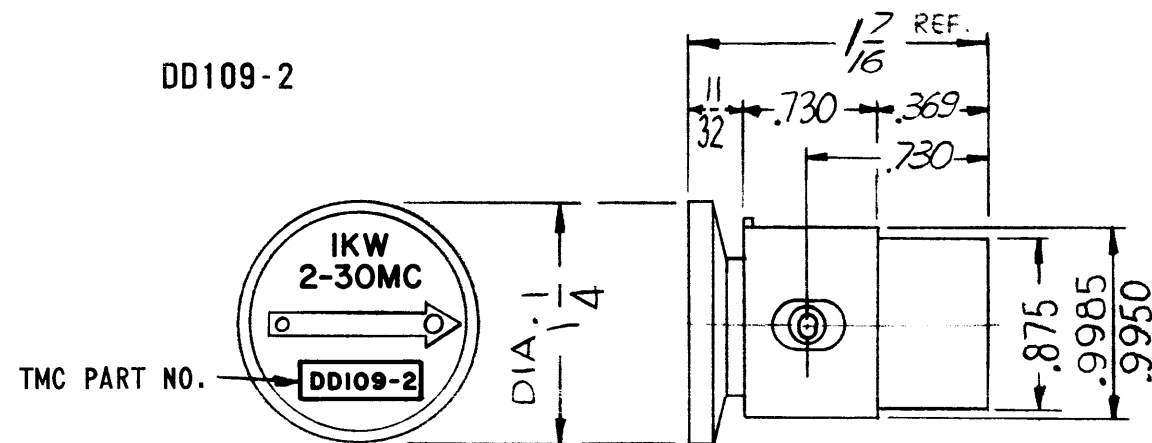


DD109-1



DD109-2



NOTE:

DIODES ARE USED FOR SPARE PARTS ONLY, THEY ARE NORMALLY SUPPLIED WITH COUPLER TMC #DC104

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	D	REV & REDRAWN FR' SZ	7-20-61	1828 B	WFB	JCB	JCB
	E	ON DD109-2 1 7/16 WAS 1 9/32 .369 WAS .520; .730 WAS .881	11/21/63	19112	LH	JCB	JCB

SPECIFICATIONS

FREQUENCY RANGE: 2-30 MHz
 POWER RATING:
 DD109-1: 10 KW AV, TWO TONE
 DD109-2: 1 KW AV, TWO TONE
 COUPLER LINE SIZE: 1-5/8"
 LINE IMPEDANCE: 50 OHMS
 METER USED FOR CALIBRATION:
 SENSITIVITY: 100 uA FS @ RATED POWER
 RESISTANCE : 1825 OHMS
 CALIBRATION DATA: @ 10 MHz
 ACCURACY: ±5% @ CAL. POWER

	DD109-1	DD109-2
LINE POWER	5 KW CW	500 W CW
ELEMENT DEL	76.9 uA SINGLE TONE 67.4 uA TWO TONE	76.9 uA SINGLE TONE 67.4 uA TWO TONE
RESISTANCE	1825 OHMS	1825 OHMS

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
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F. BUDETTI LIST OF MATERIAL

	KIT 161	
	GPT-10K	
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
	CODE C	S401-164

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	TOLS. ANGLES
.XXX ± .005	0° .30'

MATERIAL 4

FINISH 4

FINAL APPROVAL	RDC	DATE
MECH. DES.	JB	DATE
ELECT. DES.	LB	DATE
CHECKED	JCB	DATE
DRAWN	J.C. BIELE	DATE 10.10.63

THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

DETECTING ELEMENT
 DIRECTIONAL COUPLER

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	DD109	E

SCALE 1:1 SHEET OF