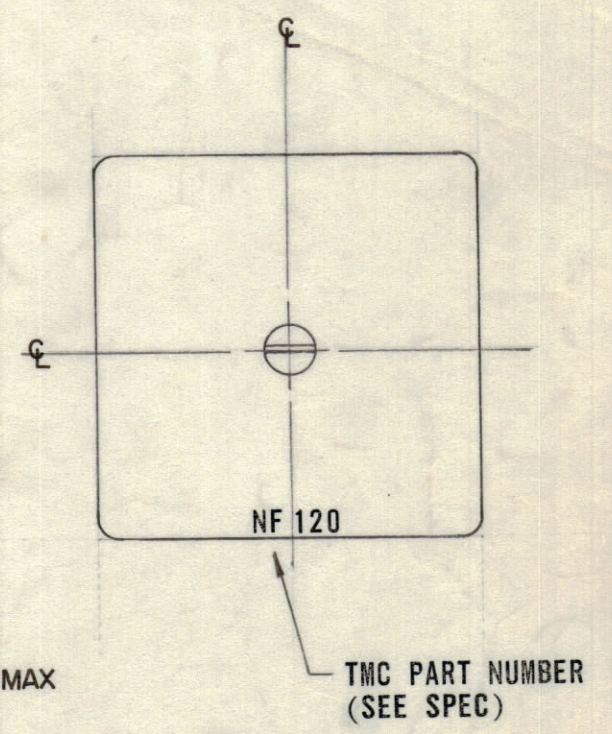
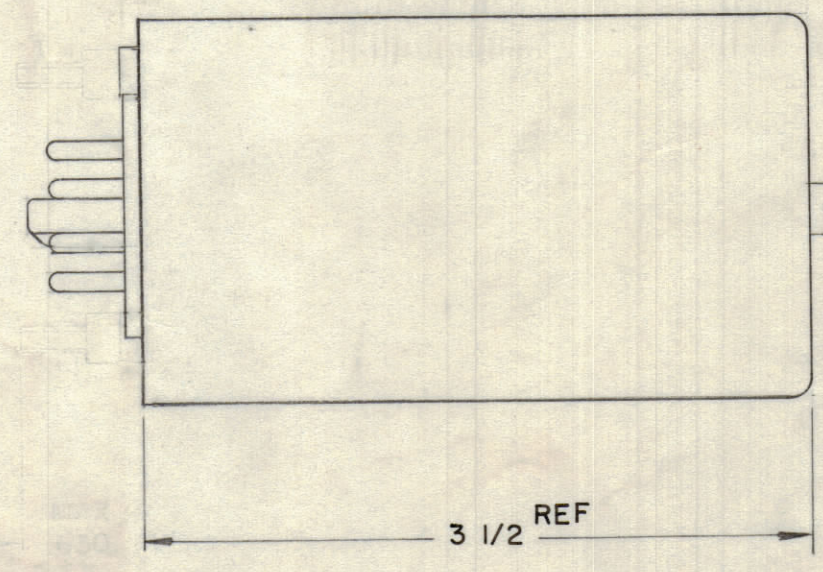
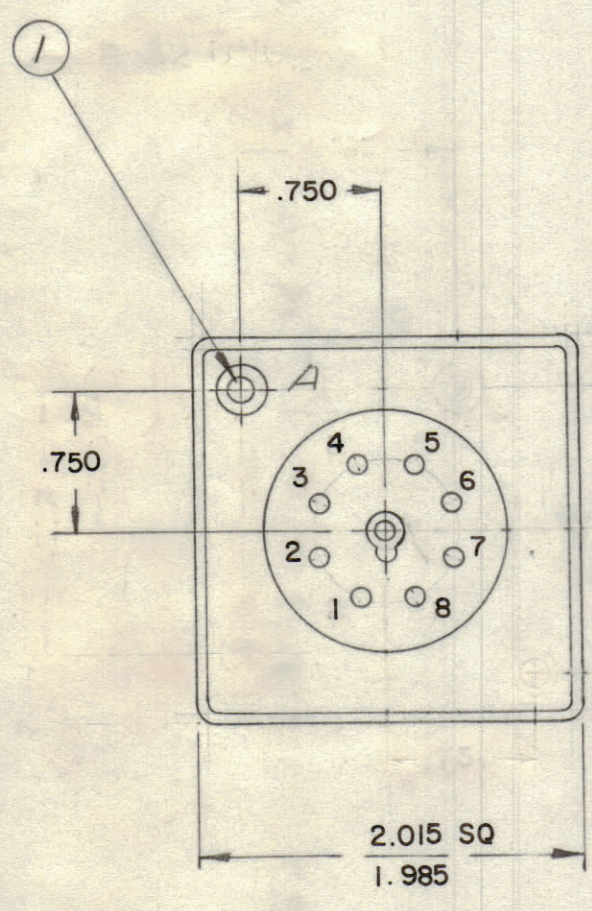


REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	Ø	ORIGINAL RELEASE FOR PRODUCTION	11/5/73		DV	
	A	ADD IT. 1 DELE OTHER MT.	1/30/74	21130	GE	EG EJ

SPECIFICATIONS

FREQUENCY: 1.000 MHz
 SUPPLY VOLTAGE: OVEN: +12 VDC ±10% @ 1.2A MAX
 OSC: +9 VDC ±5% @ 30MA
 OUTPUT: 1 VRMS +50%, -10% INTO 50 OHMS SINEWAVE
 HARMONIC DISTORTION: 15% MAX
 SHOCK: 10G, 8 MSEC, 5 x 10⁻⁸ MAX.
 VIBRATION: 5 TO 55 HZ, 0.016" DA 5 x 10⁻⁸ MAX.
 STABILITY: a. 1 x 10⁻⁸ PER DAY
 b. 5 x 10⁻⁸ PER MONTH
 SHORT TERM STABILITY: 4 x 10⁻⁹ PER 15 MINUTES AFTER 24 HOUR WARM-UP.
 AMBIENT: 0° TO 65°C, 3 x 10⁻⁸ MAX. & 1 x 10⁻⁸ PER 15° CHANGE WITHIN TEMPERATURE RANGE OF 0° TO +65°C.
 WARM-UP: a. 4 HOURS AFTER TURN ON, 1 x 10⁻⁷ PER DAY
 b. 24 HOURS AFTER TURN ON, 1 x 10⁻⁸ PER DAY
 ALTITUDE: 10,000 FEET - NO CHANGE IN STABILITY
 LOAD CHANGE: 5 x 10⁻⁹ MAX. FOR ±10% LOAD CHANGE
 VOLTAGE CHANGE: 1 x 10⁻⁸ MAX. FOR ±1 VDC OVEN OR ±.5 VDC OSC SUPPLY CHANGE
 STORAGE: -65°C TO +75°C
 HUMIDITY: HERMETICALLY SEALED UNIT
 TRIM RANGE: ±0.7 x 10⁻⁶ MIN. VIA INTERNAL TRIMMER
 JITTER: 3° RMS MAX. IN 10 MSEC
 MARKING: MARK TMC PART NUMBER 1/8 HIGH GOTHIC WITH LATEST REVISION LETTER



A HOLE -.189 DIA. - 1 REQ.

OCTAL BASE CONNECTIONS

- PIN 1 N.C.
- 2 OSC 12VDC
- 3 12VDC OVEN 1.2 AMPS (APPROX)
- 4 N.C. GND OVEN
- 5 N.C.
- 6 OSC OUTPUT
- 7 RF GROUND
- 8 N.C.

QTY. REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	1	TE108-6	STANDOFF, RIVET TYPE	A

F. BUDETTI LIST OF MATERIAL

FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK OSCILLATOR, OVENIZED
MECH. DES.	DATE	
ELECT. DES.	DATE	
CHECKED	DATE	
DRAWN	DATE	SIZE CODE IDENT.NO. DWG NO. ISSUE C 82679 NF120 A
SCALE NTS		SHEET OF

1	GPR 110	ASS'Y NO.
QTY / UNIT	MODEL USED ON	
APPLICATION		
CODE		
NOTICE TO PERSONS RECEIVING THIS DRAWING THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.		

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

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

MATERIAL

FINISH