

STANDARD DRAWING

REQ. PER UNIT	MODEL	USED ON	DATE
		ASSY. NO.	9-30-65
			CR116

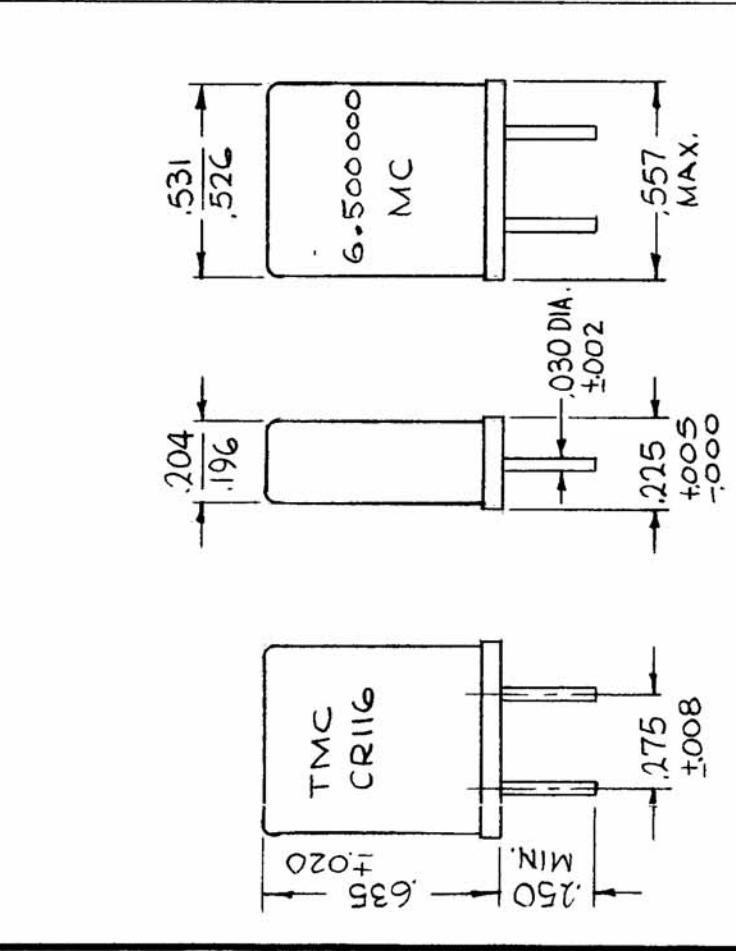
- OPERATING CHARACTERISTICS:**
- 1.1 Operating temperature range: 0° to +50°C.
 - 1.2 Frequency: 6.50000 MC.
 - 1.3 Frequency deviation over operating temperature range: Shall not exceed ±0.03% of nominal.
 - 1.4 Operating condition: Series resonance.
 - 1.5 Series load capacity: 15 ± 0.5 PF.
 - 1.6 Pin-to-pin capacity: 2.6 PF nominal. Pin-to-pin capacity shall not vary more than 5% from unit to unit.
 - 1.7 Maximum effective resistance over operating temperature range: 50 ohms.
 - 1.8 Motional parameters: Series elements of the crystal unit shall not vary more than 5% from unit to unit.
 - 1.9 Drive level: 2.5 mw max.

- PERFORMANCE CHARACTERISTICS:**
- 2.1 The following tests shall be conducted in accordance with the latest version of MIL-C-3098.
 - 2.1.1 Immersion
 - 2.1.2 Insulation resistance
 - 2.1.3 Leakage
 - 2.1.4 Moisture resistance

- MECHANICAL REQUIREMENTS:**
- 3.1 Holder: HC-12/U.
 - 3.2 Pins: See Figure
 - 3.3 Markings: (As per MIL-C-3098, as shown).

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		CRYSTAL UNIT, QUARTZ	
		G.5 MC	
		DRAWN: [Signature] 9/30/65	
		CHECKED: [Signature]	
		FINAL APPROVAL: [Signature]	
		DATE: 10/11/65	
		FINISH & SPEC. NO.	CR116
		ELEC. DES. APP.	
		MECH. DES. APP.	

- TEST REQUIREMENTS:**
- 4.1 Units shall be measured in military test set TS-330/75M or equivalent with the 15 pt ± .5 pf placed in series with the crystal unit.



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	9/30/65	2:1			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES					
	TOLERANCES					
	FRACTIONS					
	DECIMALS					
	±.05					
	.XX ± .01					
	.XXX ± .005					
	ANGLES					
	± 0° 30'					
	CODE					
	C					