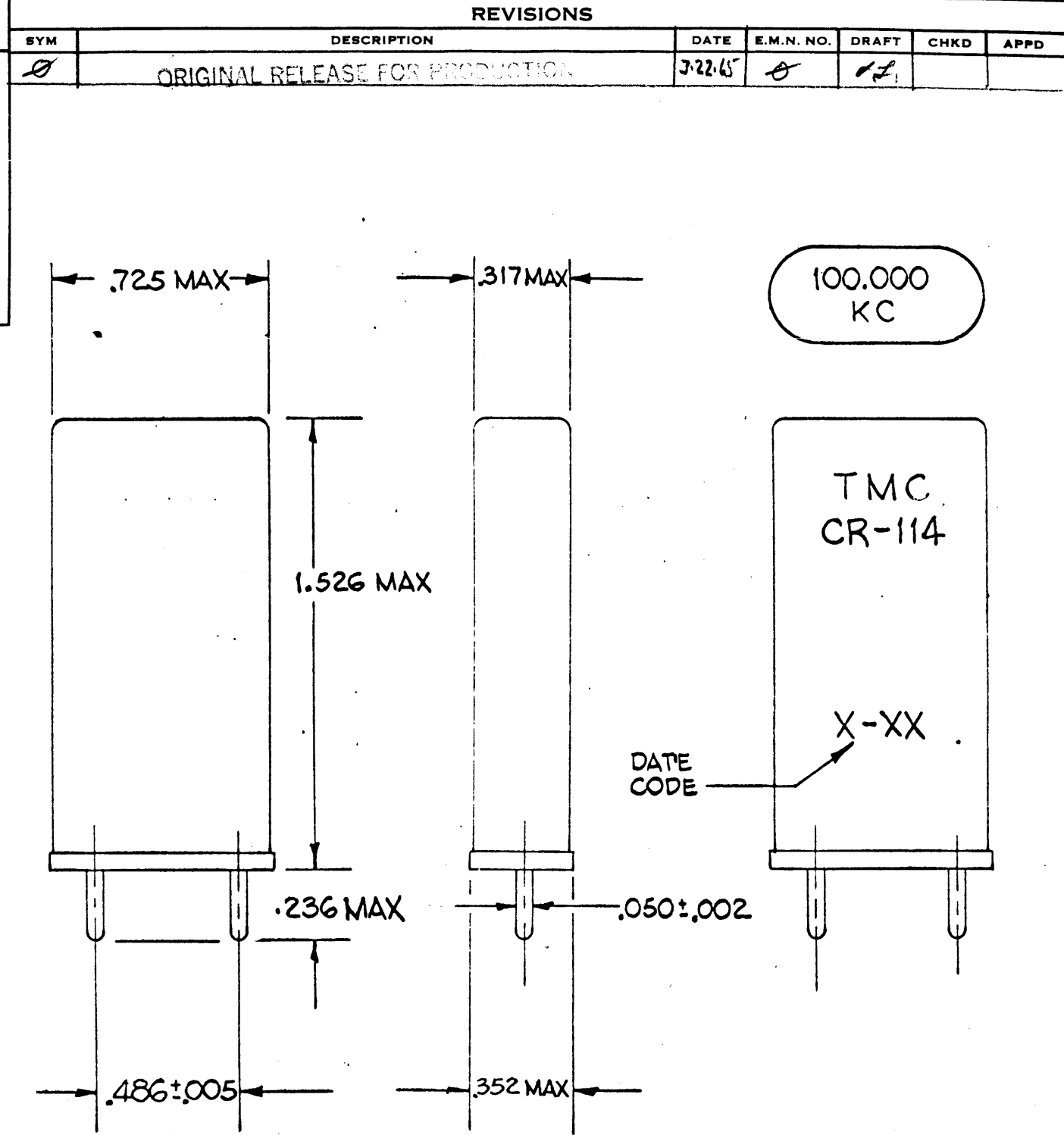


1. OPERATING CHARACTERISTICS:
 - 1.1 Operating temperature range: 0° to + 50 C
 - 1.2 Nominal frequency: 100.000 KC ± .01% At 25°C
 - 1.3 Frequency deviation from nominal over operating temperature range: Shall not exceed eight cycles.
 - 1.4 Operating condition: Resonance with series load capacitance of 20 ± 0.5 PF
 - 1.5 Deleted
 - 1.6 Pin - to - pin capacity: 13.7 ± .5 pf Pin - to pin capacity shall not vary more than 5% from unit to unit.
 - 1.7 Motional inductance: Delta frequency (F20 pf minus F series) shall be 152 cps ± 5%.
 - 1.8 Maximum effective resistance: 2000 Ω @ series resonance over operating temperature range.
 - 1.9 Drive level: 0.4 mw max.
 - 1.9.1 Method of test: ungrounded

2. 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

3. MECHANICAL REQUIREMENTS:
 - 3.1 Holder: HC-13/U
 - 3.2 Markings: Per MIL-C-3098

CR114



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
			LIST OF MATERIAL	
MATERIAL			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINISH			TITLE CRYSTAL UNIT, QUARTZ 100 KC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES			DRAWN H. Austin	DATE 3-17-65
			CHECKED [Signature]	DATE 3-17-65
			ELECT. DES. [Signature]	DATE
			MECH. DES. [Signature]	DATE
			CR114	
			SHEET	REV. LTR.

LFCA-1		
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	S401-308
#	C	

NOTES

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DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005

TOLERANCES

FRACTIONS
± 1/64
ANGLES
± 0° 30'