

FREQ IN MHZ	MAX EFFECTIVE RESISTANCE	FREQ IN MHZ	MAX EFFECTIVE RESISTANCE
10.0	40 Ω	7.0	91 Ω
11.0	30	8.0	68
12.0	30	9.0	51
14.0	22	13.0	22
16.0	22	15.0	22
16.1	22	19.0	10
16.2	22	14.545	22
16.3	22	53.5	
16.4	22		
16.5	22		
16.6	22		
16.7	22		
16.8	22		
16.9	22		
17.0	22		

CASE TYPE: HC 18/U
 OPERATING RANGE: 0 TO 60 C
 XTAL Q: TO BE GREATER THAN 50,000
 XTAL SPOT DIAMETER: 0.125 INCHES
 SERIES RESONANT FREQ: ALL CRYSTALS ARE TO HAVE A SERIES RESONANT FREQUENCY 500 HERTZ LOWER THAN THE DESIGNATED FREQUENCY, f_d FOR EXAMPLE; A XTAL DESIGNATED AS A 10 MHZ XTAL WOULD BE SERIES RESONANT AT 9.999500 MHZ

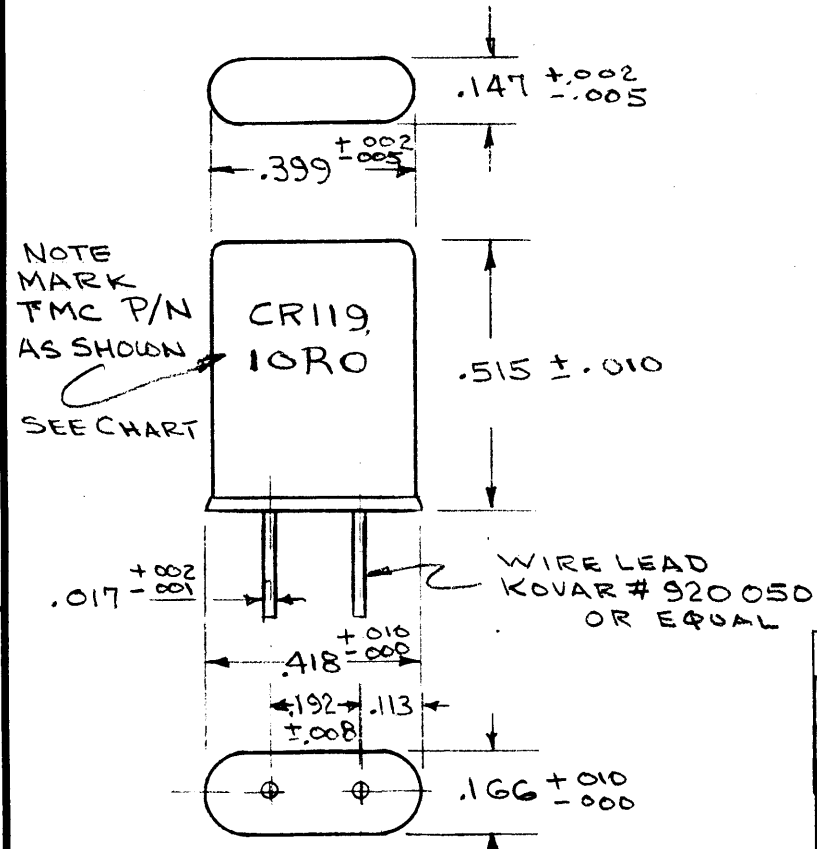
SERIES RESONANT FREQ, TOLERANCE: ± 100 HERTZ
 SERIES RESONANT FREQ. VARIATION: ± 300 HERTZ FROM 0 TO 60°C
 DRIVE LEVEL: 2.5 MILLIWATTS

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	X	EXPERIMENTAL RELEASE	3/18/68		C.V.	<i>[Signature]</i>
	Ø	ORIG. RELEASE FOR PROD	16 22 68		R.G.	<i>[Signature]</i>
	A	CASE TYPE & Pictorial REV.	11/22/68	19104	L.H.	<i>[Signature]</i>
	B	CHART REVISED, SPEC ADDED	7/19/69	19342	CV	<i>[Signature]</i>
	C	CHART UPDATED		20500	CV	<i>[Signature]</i>
	D	ADD TO CHT. FREQ IN MHZ 13.0, 15.0, 19.0 - MAX. EFF. RES. 22, 22, 10	6/28/72	20767	GE	<i>[Signature]</i>
	E	ADD TO CHT 14.545 MHZ 22	10-6-72	20912	GE	<i>[Signature]</i>
	F	ADD TO CHART 53.5 MHZ	5-25-76	21385	G.D.L.	<i>[Signature]</i>

TMC PART NUMBER SHALL BE IN THE FOLLOWING FORM:

CR 119 - 10R0

DESIGNATED FREQ IN MHZ
 "R" DENOTES DECIMAL POINT (SEE CHART)



NOTE MARK TMC P/N AS SHOWN SEE CHART

NOTE DIMENSIONS FOR REF ONLY

	RSU-1	
	GPR-110	
	HFSR-4	
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
	CODE C	S401-466

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

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

MATERIAL FINISH

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
		HOGAN	LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			CRYSTAL, UNIT	
		SIZE B	CODE IDENT. NO. 82679	ISSUE F
			DWG NO. CR 119	
		SCALE	SHEET	OF

FINAL APPROVAL DATE
 MECH. DES. DATE
 ELECT. DES. DATE
 CHECKED DATE 11/22/68
 DRAWN DATE 3-18-68