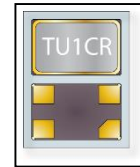


TU1CR Crystal Resonator



FEATURES:

**Tight Tolerance
High Reliability and Precision**

**Seam Sealed Lid
3.2 x 2.5 x 0.65 mm**

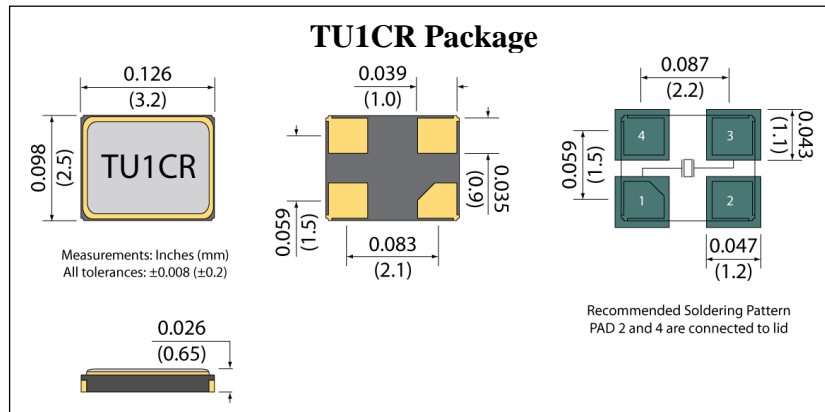
Parameter	Unit	Min.	Typ.	Max.
Frequency Range (FR)	MHz	80.00	-	400.00
Operating Temperature Range	°C	See Table		
Frequency Tolerance at 25°C	ppm	±10	-	±50
Frequency Stability	ppm	See Table		
Load Capacitance (C _L)	pF	Series	-	32
Shunt Capacitance (C ₀)	pF	-	-	3
Equivalent Series Resistance (R)	Ω	See Table		
Insulation Resistance	MΩ	500 @ DC 100 V min.		
Drive Level	μW	-	10	300
Aging per year	ppm	-	-	±3.0
Storage Temperature Range	°C	-55	-	125

Frequency (MHz)	ESR (Ohms) max.
Fundamental Mode	
80.00 to 400.00	60

Temperature	Stability (ppm)
-10 to +60°C	±5, ±10, ±15, ±20, ±25, ±30, ±50
-20 to +70°C	±10, ±15, ±20, ±25, ±30, ±50
-40 to +85°C	±20, ±25, ±30, ±50
-40 to +105°C	±20, ±25, ±30, ±50
-40 to +125°C	±50

Environmental

Terminal Material	W
Terminal Plating	Ni-Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1



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Example Part Number: TU1CR-D-E-16-18-25M576

TU1CR - 1 - 2 - 3 - 4 - 5

1 Tolerance	2 Stability	3 Temp. Range	4 Load Cap.	5 Frequency
A = ±50 B = ±30 C = ±25 D = ±20 E = ±15 F = ±10	A = ±50 B = ±30 C = ±25 D = ±20 E = ±15 F = ±10 G = ±5	16 = -10 to +60°C 27 = -20 to +70°C 48 = -40 to +85°C 4105 = -40 to +105°C 4125 = -40 to 125°C	AA = Series xx = Load i.e. 16, 24, 32	Frequency in MHz i.e. 25M456 use M for decimal point