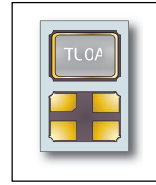


# TU0A Crystal Resonator



**FEATURES:**

**Tight Tolerance  
Ultra-Miniature**

**Seam Sealed Lid  
1.6 x 1.25 x 0.4 mm**

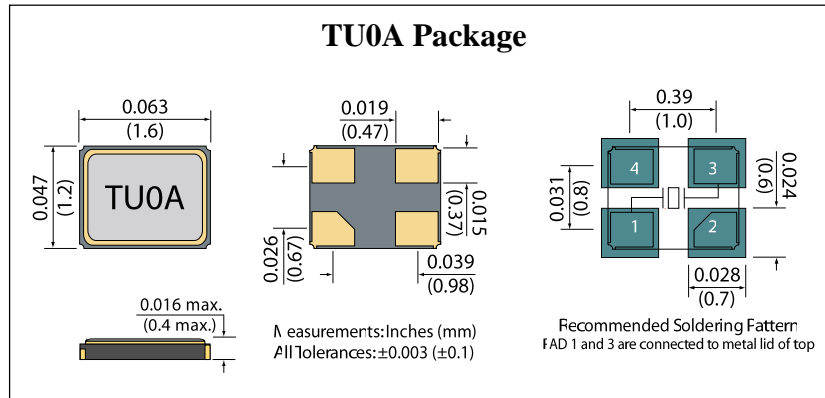
Parameter	Unit	Min.	Typ.	Max.
Frequency Range (FR)	MHz	26.000	-	54.000
Operating Temperature Range	°C	See Table		
Frequency Tolerance at 25°C	ppm	±10	-	±50
Frequency Stability	ppm	See Table		
Load Capacitance (C <sub>L</sub> )	pF	8	-	Series
Shunt Capacitance (C <sub>0</sub> )	pF	-	-	3
Equivalent Series Resistance (R)	Ω	See Table		
Drive Level	μW	-	10	100
Aging first year	ppm	-	-	±5.0
Insulation Resistance @ 100 V	MΩ	500	-	-
Storage Temperature Range	°C	-55	-	+125

Frequency (MHz)	ESR (Ohms) max.
Fundamental Mode	
>26.000 to 40.000	150
>40.000 to 54.000	100

Temperature	Stability (ppm)
-10 to +60°C	±10, ±15, ±20, ±25, ±30, ±50
-20 to +70°C	±10, ±15, ±20, ±25, ±30, ±50
-40 to +85°C	±15, ±20, ±25, ±30, ±50
-40 to +105°C	±20, ±25, ±30, ±50
-40 to +125°C	±30, ±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:** TU0A-D-E-16-18-25M576

TU0A	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
		1		2		3		4		5
<b>Tolerance</b>			<b>Stability</b>		<b>Temp. Range</b>		<b>Load Cap.</b>		<b>Frequency</b>	
A = ±50			A = ±50		16 = -10 to +60°C		AA = Series		Frequency in MHz	
B = ±30			B = ±30		27 = -20 to +70°C		xx = Load		i.e. 25M456	
C = ±25			C = ±25		48 = -40 to +85°C		i.e. 16, 24, 32		use M for decimal point	
D = ±20			D = ±20							
E = ±15			E = ±15							
F = ±10			F = ±10							

Note: Consult factory for additional potential options not listed.