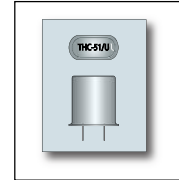


THC-51/U Crystal Resonator



FEATURES:

- Thru-Hole
- Low Frequency

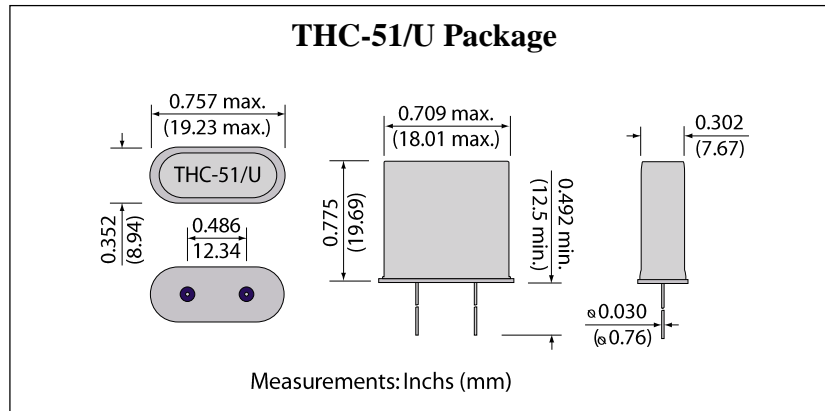
Low Cost
19.69 x 19.23 x 8.94 mm

Parameter	Unit	Min.	Typ.	Max.
Frequency Range (FR)		300 kHz	-	12.000 MHz
Operating Temperature Range	°C	See Table		
Frequency Tolerance at 25°C	ppm	±30	±100	±150
Frequency Stability	ppm	±200 ppm max.		
Load Capacitance (C _L)	pF	30	-	Series
Shunt Capacitance (C ₀)	pF	-	-	7
Equivalent Series Resistance (R)	Ohms	See Table		
Drive Level	µW		100	1000
Aging per year	ppm	-	±3.0	±5.0
Storage Temperature Range	°C	-40	-	+85

Frequency (MHz)	ERS (Ohms) max.
Fundamental Mode	
300 kHz to 800 kHz	3000
>800 kHz to 1.000 MHz	1000
>1.8432 to 2.500 MHz	400
>2.500 to 3.500 MHz	200
>3.500 to 7.500 MHz	150
>7.500 to 12.000 MHz	50

Temperature	Stability (ppm)
-10 to +60°C	±30, ±50, ±100, ±150
-20 to +70°C	±30, ±50, ±100, ±150
-40 to +85°C	±30, ±50, ±100, ±150

Environmental	
Terminal Material	KOVAR
Terminal Plating	Sn-Ag-Cu
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1



Example Part Number: THC-51/U-D-B-16-18-25M576

THC-51/U	-	1	-	2	-	3	-	4	-	5
		Tolerance		Stability		Temp. Range		Load Cap.		Frequency
		A = ±150		A = ±200		16 = -10 to +60°C		AA = Series		Frequency in MHz
		B = ±100		B = ±100		27 = -20 to +70°C		xx = Load		i.e. 25M456
		C = ±50				48 = -40 to +85°C		i.e. 16, 24, 32		use M for decimal point
		D = ±30								