

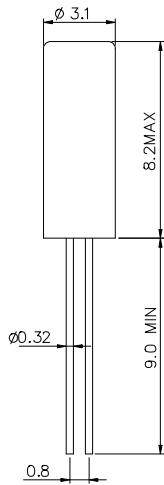
Excequal

Through Hole

TH-3*8

Low Cost
Thru-Hole Package
Resistance weld for a good aging factor
Low profile

MECHANICAL DIMENSIONS



ELECTRICAL SPECIFICATION

Frequency Range	32.768KHz
Load Capacitance(CL)	See Table1
Oscillation Mode	See Table2
Frequency Tolerance at 25°C (RT)	$\pm 20.0\text{ppm}$ to $\pm 50.0\text{ppm}$ See Table3
Temperature Coefficient	$-0.04\text{ppm}/^\circ\text{C}$
Temperature Range Operating (TR) Storage	See Table 5 -20°C to 70°C
Series Resistance (ESR)	45k Ω max
Drive Level (DL)	1.0 μW max
Shunt Capacitance (C0)	1.8pF max
Aging	$\pm 3.0\text{ppm}$ per year max
Insulation Resistance (IR)	500M Ω min at 100Vdc

Frequency-Temperature Curve

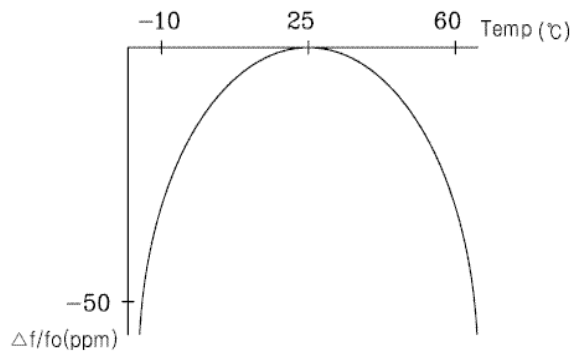


Table1		Table2		Table3		Table4		Table5	
Load Capacitance		Oscillation Mode		Frequency Tolerance		Frequency Stability		Operating Temp. Range	
Symbol	CL(pF)	Symbol	Mode	Symbol	RT(ppm)	Symbol	TC(ppm)	Symbol	TR($^\circ\text{C}$)
A	12.5	1	FUND	A	± 20			A	$-10 \sim +60$
				B	± 30				
				C	± 50				