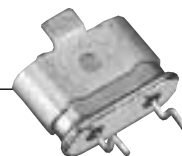


UM-4



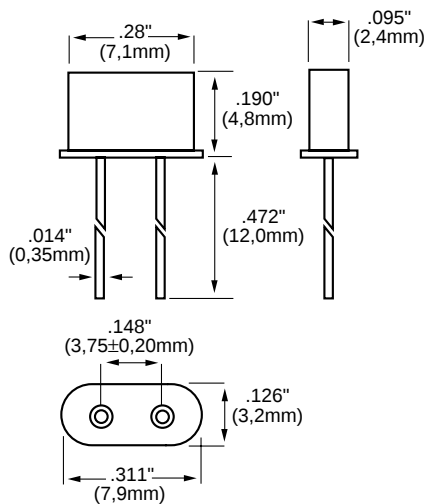
Resistance Weld Miniature Crystal (4,8mm height)

FEATURES

- Low Profile (4,8mm)
- Small Footprint

OPTIONS

- Tape & Reel
- Metal Jacket



Parameter	Unit	Condition	Min	Typ	Max	Note	
Frequency Range	MHz		13.000		300		
Frequency Tolerance	ppm	Over Temp.		±50		1	
Frequency Stability	ppm	@25°C		±100			
Operating Temperature Range	°C		-40		+85		
Storage Temperature Range	°C		-40		+85		
Shunt Capacitance (C ₀)	pF				7.0		
Drive Level					0.1mW		
Aging Per Year	ppm	@25°C			±3.0		
Frequency Range		Mode		Max ESR (Ω)			
13.000 - 16.000		Fundamental		60			
16.000 - 50.000		Fundamental		40			
25.000 - 100.000		3rd Overtone		60			
60.000 - 150.000		5th Overtone		100			
130.000 - 300.000		7th Overtone		150			
	Typical Temperature Characteristics						
Tolerances Temp. Ranges	±5 ppm	±10 ppm	±15 ppm	±20 ppm	±25 ppm	±50 ppm	±100 ppm
0 to 50°C	Y	Y	Y	Y	Y	Y	Y
-10 to 60°C	Y	Y	Y	Y	Y	Y	Y
-20 to 70°C	Y	Y	Y	Y	Y	Y	Y
-30 to 80°C	N	N	Y	Y	Y	Y	Y
-40 to 85°C	N	N	N	Y	Y	Y	Y
-55 to 105°C	N	N	N	N	N	Y	Y
-55 to 125°C	N	N	N	N	N	N	Y

Notes:

1. Please refer to typical temperature characteristics in chart above.
2. Please reference "Building a Part Number" on page 36 if the desired specification is not found in the "Standard Crystal Part Number Chart" on pages 13-14.

All specifications are subject to change without notice.