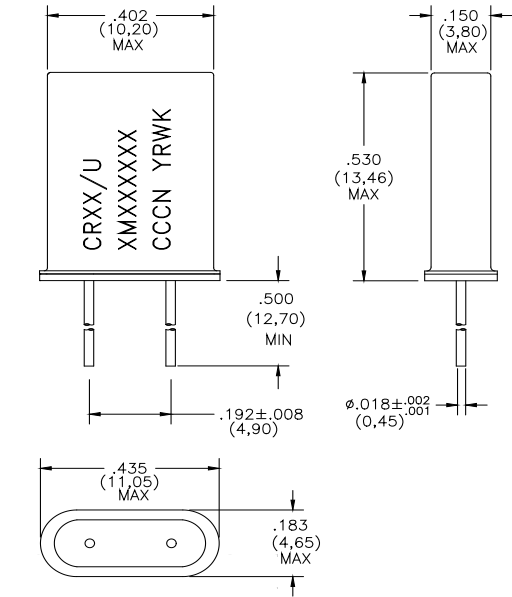


CROVEN CRYSTALS MIL-PRF-3098 QPL crystals are available in a variety of packages and frequencies to provide established reliability quartz crystals for high reliability, demanding applications.

CR64/U

MIL-PRF-3098 Environmental Specifications		
Shock MIL-STD-202 M201 Cond C	Maximum Frequency Change	± 5 ppm
	Maximum Resistance Change	± 10%
Vibration MIL-STD-202 M204 Cond A	Maximum Frequency Change	± 5 ppm
	Maximum Resistance Change	± 10%
Thermal Shock MIL-STD-202 M107 Cond B	Maximum Frequency Change	± 5 ppm
	Maximum Resistance Change	± 10%
Aging 30 days at +85 °C	Maximum Frequency Change	± 5 ppm



Part number example: **CR 64 /U 5M120000**

COMPONENT
Quartz crystal

TYPE
Crystal type

BASIC INDICATOR
General Utility

XXMXXXXX
Nominal Frequency (MHz)
(8 characters)

SPECIFICATION *	Frequency Range 2.400000 to 20.000000 MHz
Mode of Oscillation	Fundamental
Operating Temperature Range	-55 to +105 °C
Total Frequency Tolerance Over Operating Temperature Range	± 50 ppm
Load Capacitance	30 pF
Maximum Series Resistance Over Operating Temperature Range	See Table 1
Maximum Rated Drive Level	1 mW

* MIL-PRF-3098/42 CR64/U

Table 1: Equivalent Resistance

Frequency Range (MHz)	Maximum Resistance (ohms)	Frequency Range (MHz)	Maximum Resistance (ohms)
2.40 to 2.60	300	4.75+ to 6.00	75
2.61+ to 2.89	250	6.00+ to 7.00	50
2.90+ to 3.75	180	7.00+ to 10.00	30
3.75+ to 4.75	120	10.00+ to 20.00	25