

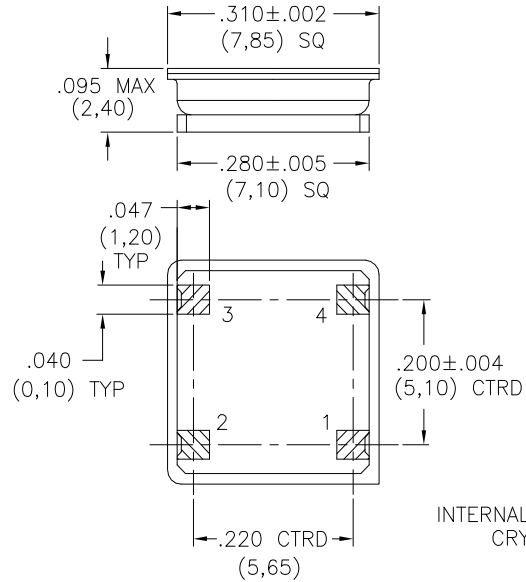


CROVEN CRYSTALS has provided high quality and reliability products to the frequency control industry for more than fifty years and is a world leader in the development and manufacture of the highest precision quartz resonators for demanding applications.

The SM1 series of crystal resonators provides a broad range of frequencies and designs in a rugged, high reliability surface mount enclosure.

**Features:**

- low profile surface mount enclosure
- available in AT, SC and IT-cut designs
- high shock and vibration survivability
- low g-sensitivity
- RoHS compatible



**Applications:**

- precision OCXO, VCXO and TCXO oscillators
- military and high reliability environments

PARAMETER	Height 'H'	Mode	MINIMUM	MAXIMUM	UNITS
Resonant Frequency range @ specified load conditions and temperature	0.095" (2,40 mm)	Fund	7	155	MHz
		3rd OT	20	230	
		5th OT	40	230	
Operating Temperature Range			- 55	+ 125	° C

PARAMETER	STANDARD METHOD OBSERVED
Shock	MIL-STD-202 Method 213, Condition C - 100 g, 6 msec 1/2 sine
Vibration	MIL-STD-202 Method 214, Condition C, 10 g peak 55-2000 Hz
Solderability	MIL-STD-202 Method 208
Workmanship	per the general requirements of MIL-PRF-3098

**Notes:**

- 1) Consult the factory for more detailed specifications or alternate requirements.