

## HC-49 SMD

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

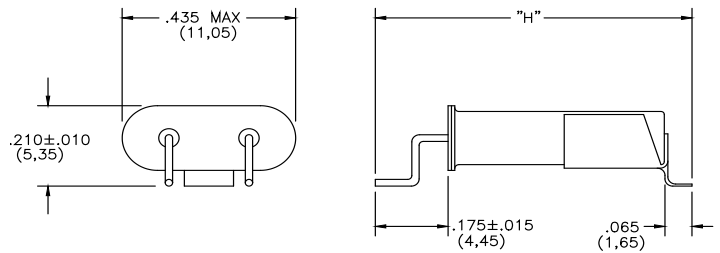
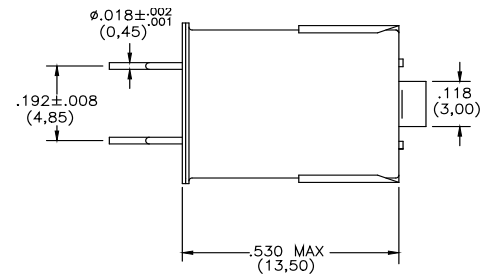
The HC-49 SMD series of crystal resonators provides a broad range of frequencies and designs in a rugged, high reliability enclosure.

**Features:**

- SMD available in tape and reel
- standard crystal types include AT, SC and IT-cut designs
- RoHS / REACH compliant
- Resistance weld sealed

**Applications:**

- precision OCXO, VCXO and TCXO oscillators
- military and high reliability (multiple CR references)
- test and measurement and telecom equipment



PARAMETER	Height 'H'	Mode	MINIMUM	MAXIMUM	UNITS
Resonant Frequency range @ specified load conditions and temperature	0.660" ± 0.015" (16,76 mm ± 0,38 mm)	Fund	6	35	MHz
		3rd OT	16	105	
		5th OT	40	165	
		7th OT	80	230	
	0.725" ± 0.015" (18,42 mm ± 0,38 mm)	Fund	3	35	MHz
		3rd OT	10	105	
		5th OT	30	165	
		7th OT	80	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 204, 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.