

MOD Series / 2" Square, 5 pin OCXO

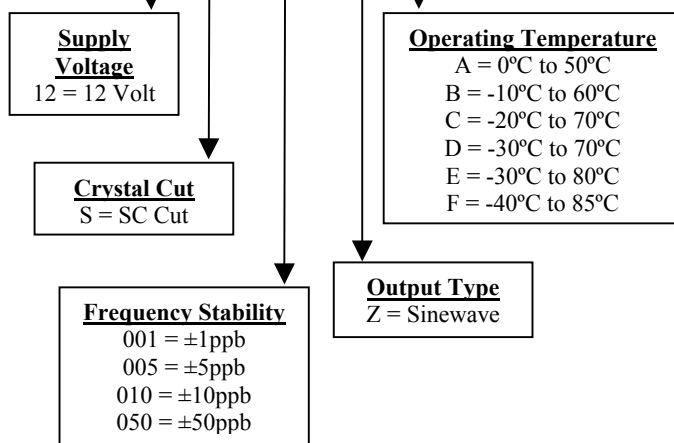


- Oven Controlled Oscillator
- Ultra High Stability
- SC Crystal
- -40°C to 85° Available
- Sinewave Output



PART NUMBERING GUIDE:

MOD 12 S 010 Z B - Frequency



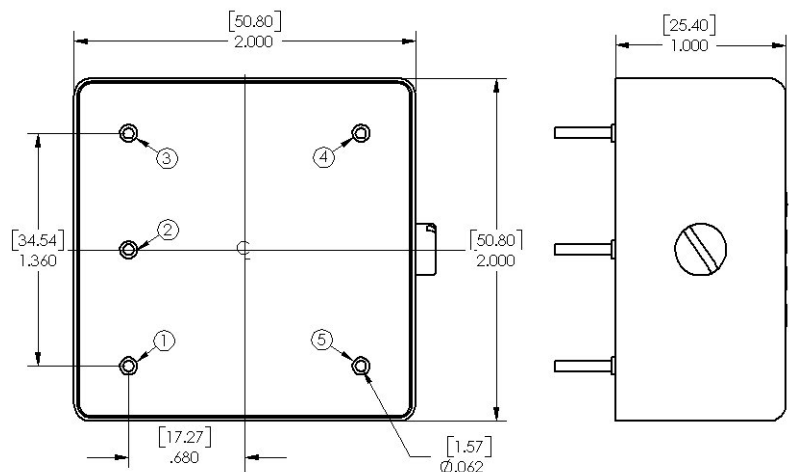
ELECTRICAL SPECIFICATIONS:

Frequency Range	1.0MHz, 5.0MHz & 10.0MHz
Frequency Stability	±1ppb to ±50ppb
Operating Temperature	-40°C to 85°C max*
* all stabilities not available	
Storage Temperature	-40°C to 95°C
Output Type	Sinewave
Supply Voltage	12.0V
Supply Current	120mA typ. / 450mA max
Warm-up Time	30min. @ 25°C
Input Impedance	100K Ohms typical
Crystal	SC Cut
Phase Noise @ 10MHZ	SC
10 Hz Offset	-113dBc
100 Hz Offset	-135dBc
1000 Hz Offset	-140dBc
10K Hz Offset	-155dBc
100K Hz Offset	-155dBc
Voltage Control 0 to VCC	±0.75ppm typ
Aging (after 30 days)	±0.1ppm/yr.

MECHANICAL DETAILS:

Pin Connections

- Pin 1 = Vc
- Pin 2 = +5Vdc
- Pin 3 = Output
- Pin 4 = Ground
- Pin 5 = Supply Voltage



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