

MODZ 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 Z 12 S 010 B - Frequency

Output Type
Z = Sinewave

Supply Voltage
12 = 12 Volt

Crystal Cut
S = SC Cut

Operating Temperature
A = 0°C to 50°C
B = -10°C to 60°C
C = -20°C to 70°C
D = -30°C to 70°C
E = -30°C to 80°C
F = -40°C to 85°C

Frequency Stability
001 = ±1ppb
005 = ±5ppb
010 = ±10ppb
050 = ±50ppb

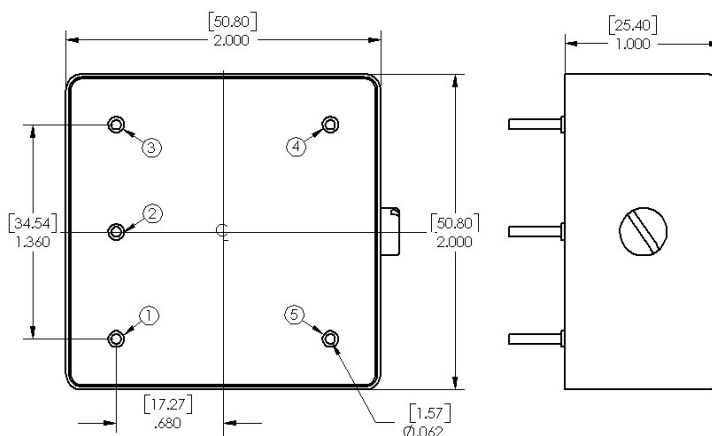
ELECTRICAL SPECIFICATIONS:

Frequency Range	1.0MHz to 150.0MHz
Frequency Stability	±1ppb to ±50ppb
Operating Temperature	-40°C to 85°C max*
* All stabilities not available, please consult MMD for availability.	
Storage Temperature	-40°C to 95°C
Output	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



MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
 Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomponents.com
Sales@mmdcomp.com