

# MODZ Series / 2" Square, 5 pin OCXO



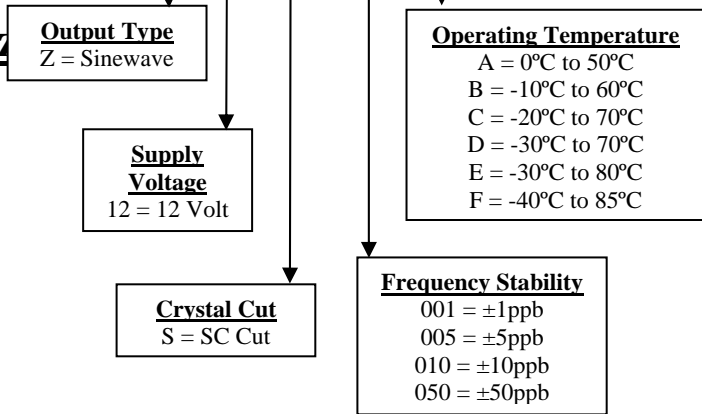
- Oven Controlled Oscillator
- Ultra High Stability
- SC Crystal
- -40°C to 85° Available
- Sinewave Output



## PART NUMBERING GUIDE:

## ELECTRICAL SPECIFICATIONS:

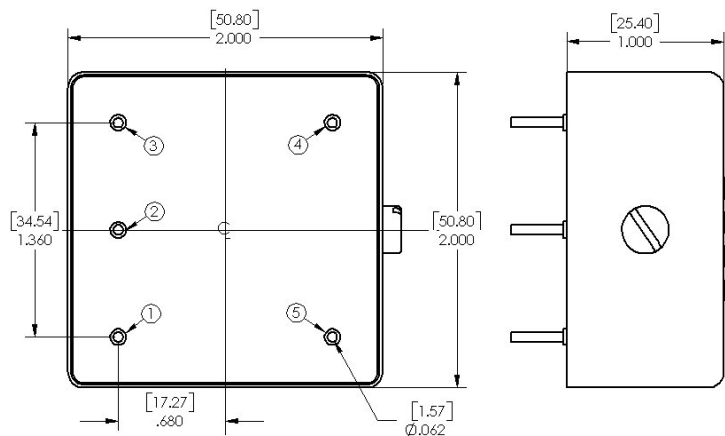
### MOD Z 12 S 010 B - Frequency



Frequency Range	1.0MHz to150.0MHz		
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	±3 dBm	50Ω
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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