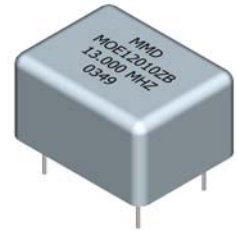


MOE Series / Euro Package, 5 pin OCXO



- Oven Controlled Oscillator
- 1.0 MHz to 70.0 MHz Available
- SC Crystal Option
- -40°C to 85° Available
- High Stability



PART NUMBERING GUIDE:

MOE 12 S 010 Z B - Frequency

Supply Voltage
12 = 12 Volt

Crystal Cut
Blank = AT Cut
S = SC Cut

Frequency Stability
005 = ±5ppb
010 = ±10ppb
050 = ±50ppb
100 = ±100ppb

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

Output Type
H = HCMOS
Z = Sinewave

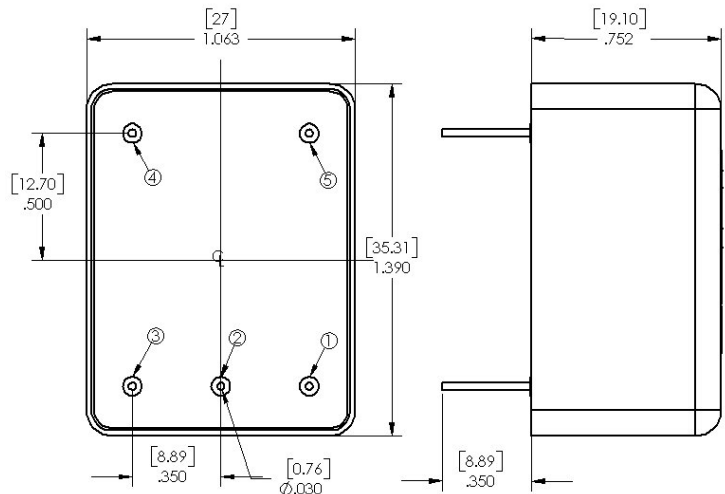
ELECTRICAL SPECIFICATIONS:

Frequency Range	1.0 MHz to 70.0MHz	
Frequency Stability	±5ppb to ±100ppb	
Operating Temperature	-40°C to 85°C max*	
* all stabilities not available		
Storage Temperature	-40°C to 95°C	
Output Type	HCMOS or Sinewave	
Supply Voltage	12.0V	
Supply Current	150mA typ. / 650mA max	
Warm-up Time	5min. @ 25°C	
Input Impedance	100K Ohms typical	
Crystal	AT or SC Cut options	
Phase Noise @ 10MHZ**	SC	AT
10 Hz Offset	-110dBc	-101dBc
100 Hz Offset	-130dBc	-111dBc
1000 Hz Offset	-140dBc	-134dBc
10K Hz Offset	-155dBc	-140dBc
**Sinewave Output		
Voltage Control 0 to VCC	±3ppm typ.	±10ppm typ.
Aging (after 30 days)	±0.1ppm/yr.	±1.0ppm/yr.

MECHANICAL DETAILS:

Pin Connections

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



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