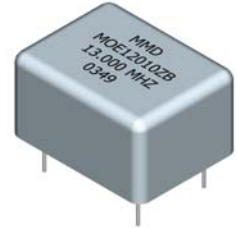


MOEH and MOEZ Series / Euro Package, 5 pin OCXO

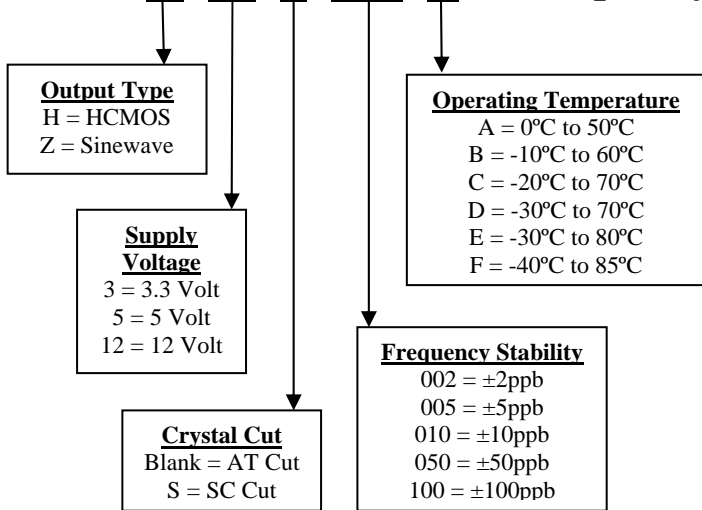


- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- SC Crystal Option
- -40°C to 85° Available
- High Stability



PART NUMBERING GUIDE:

MOE H 12 S 100 B - Frequency



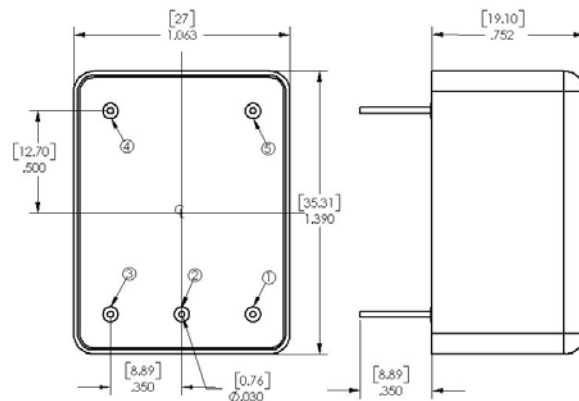
ELECTRICAL SPECIFICATIONS:

Frequency Range	1.0 MHz to 150.0MHz		
Frequency Stability	±2ppb to ±100ppb		
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
	HCMOS	10% Vdd max 90% Vdd min	30pF
Supply Voltage (Vdd)	3.3V	5.0V	12.0V
Supply Current	typ	540mA	360mA 150mA
	max	1000mA	720mA 650mA
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	
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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