

MOAH & MOAZ Series – 1" Square, 5 Pin OCXO



- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- SC Crystal Option
- RoHS Option Available
- ±10ppb to ±500ppb



Frequency Range		1.0 MHz to 150.0MHz	
Frequency Stability		±30ppb to ±500ppb	
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	±3dBm	50Ω
	HCMOS	10% Vdd max 90% Vdd min	30pF
Supply Voltage (Vdd)	3.3V	5.0V	12.0V
Supply Current	typ	450mA	320mA
	max	850mA	720mA
Warm-up Time	4min. @ 25°C		
Vc Input Impedance	100K Ohms typical		
Crystal	AT or SC Cut options		
Phase Noise	SC		AT
	Offset	10 MHz	100 MHz
	10 Hz	-105dBc	-90dBc
	100 Hz	-125dBc	-120dBc
	1000 Hz	-140dBc	-145dBc
10K Hz	-145dBc	-150dBc	-138dBc
Volt. Control 0 to VCC	±0.7ppm min		±10ppm typ.
Aging (after 30 days)	±0.1ppm/yr.		±1.0ppm/yr

Environmental & Mechanical Detail

Shock	MIL-STD-883, Method 2002 Cond B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Vibration	MIL-STD-883, Method 2007, Cond A
Gross Leak Test	MIL-STD-883, Method 1014, Cond C
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2
MSL	Level 1 per IPC/JEDEC J-STD 20

Marking Detail

Line 1 = MXXXXX		
M	=	MMD
XXXXX	=	Frequency in MHZ
Line 2 = SYWWL		
S	=	Internal Code
YYWW	=	4 Numerical Digit Date Code (Year / Week)
L	=	Denotes RoHS Compliant
Line 3 = XXXXX		
Internal use only		
May vary with lots		
Pin 1 Designator		

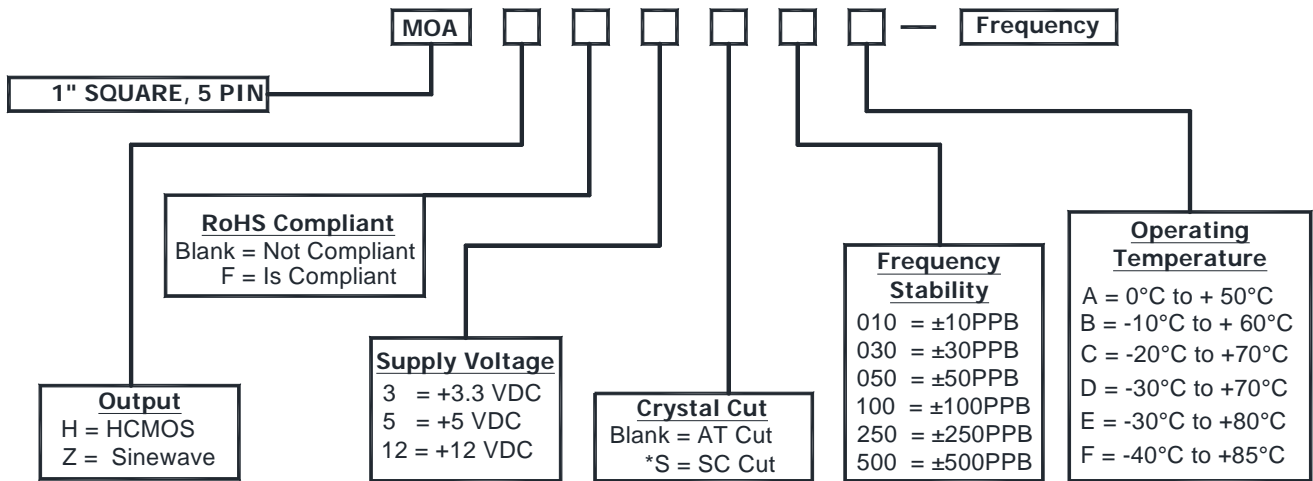


MMD Monitor/Quartztek
 30400 Esperanza, Rancho Santa Margarita, CA, 92688
 Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
 Sales@mmdcomp.com



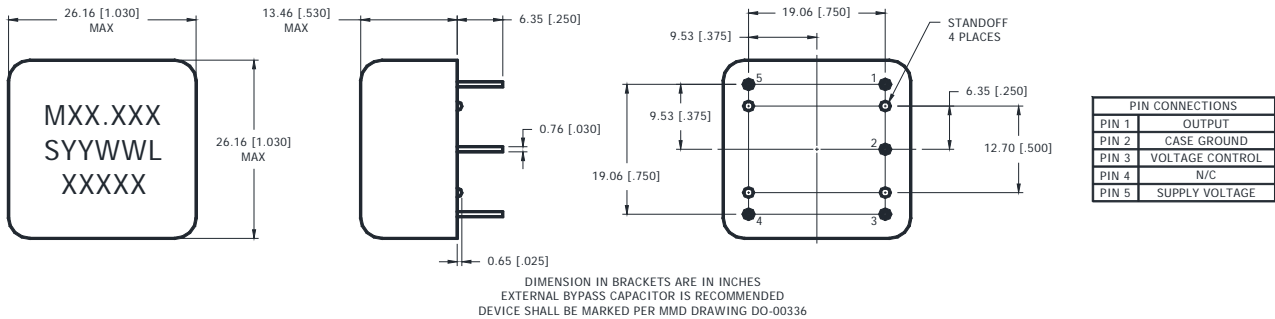
Revision: MOAH012811G

Part Number Guide



Please Consult with MMD Sales Department for any other Parameters or Options
 *SC Crystal must be used under specific aging and stabilities

Mechanical Details



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