

MOAH and MOAZ Series / 1" Square, 5 Pin OCXO

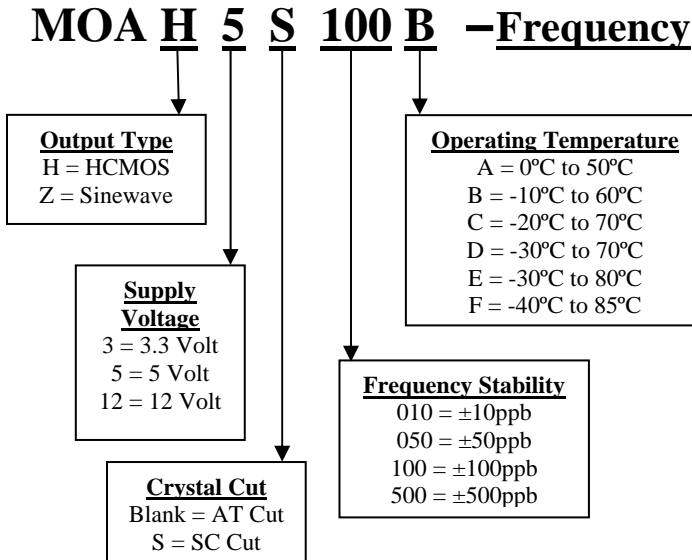


- Oven Controlled Oscillator
- 1.0 MHz to 150.0 MHz Available
- SC Crystal Option
- -40°C to 85° Available
- ±10ppb to ±500ppb



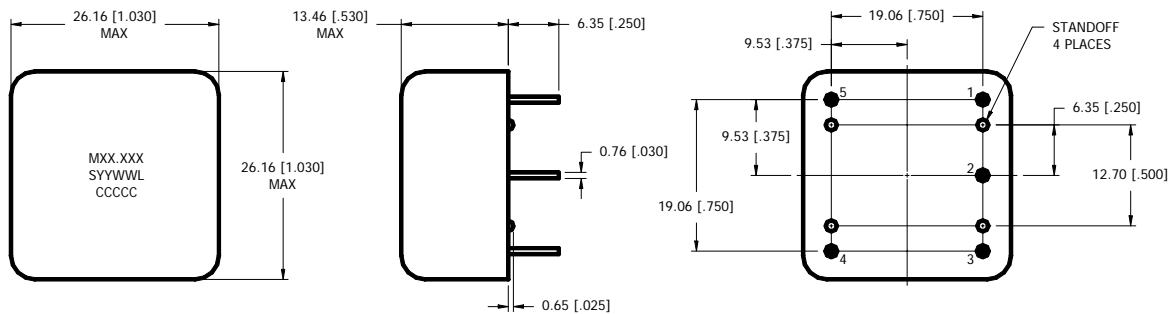
PART NUMBERING GUIDE:

ELECTRICAL SPECIFICATIONS:



Frequency Range		1.0 MHz to 150.0MHz	
Frequency Stability		±10ppb 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	300mA 120mA
	max	850mA	500mA 250mA
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 MHz
10 Hz	-105dBc	-90dBc	-91dBc
100 Hz	-125dBc	-120dBc	-120dBc
1000 Hz	-140dBc	-145dBc	-135dBc
10K Hz	-145dBc	-150dBc	-138dBc
Volt. Control 0 to VCC		±3ppm typ. ±10ppm typ.	
Aging (after 30 days)		±0.1ppm/yr. ±1.0ppm/yr	

MECHANICAL DETAILS:



PIN CONNECTIONS	
PIN 1	OUTPUT
PIN 2	CASE GROUND
PIN 3	VOLTAGE CONTROL
PIN 4	N/C
PIN 5	SUPPLY VOLTAGE

DIMENSION IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED
DEVICE SHALL BE MARKED PER MMD DRAWING DO-00336

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