

# MXO5080 Series

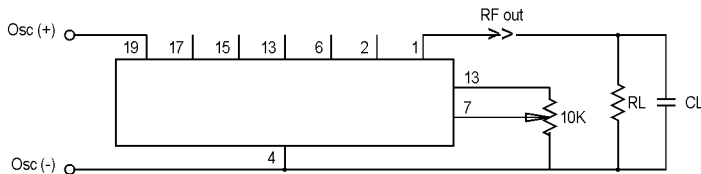
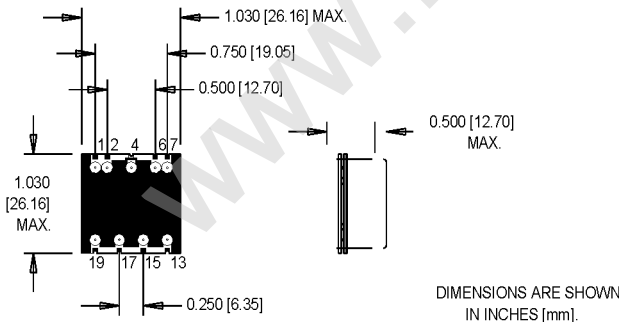
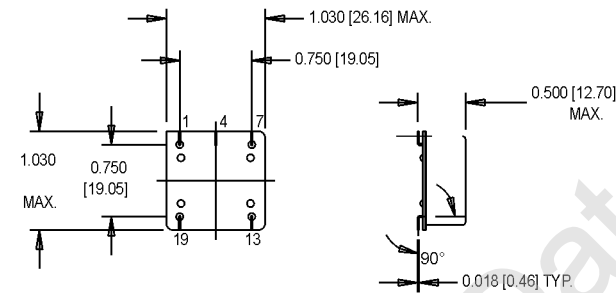
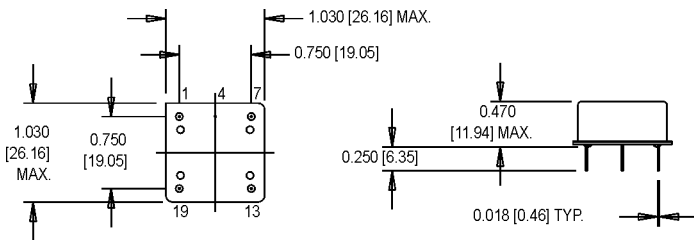
## 1x1 in., 5.0 Volt, HCMOS/Sinewave, OCXO



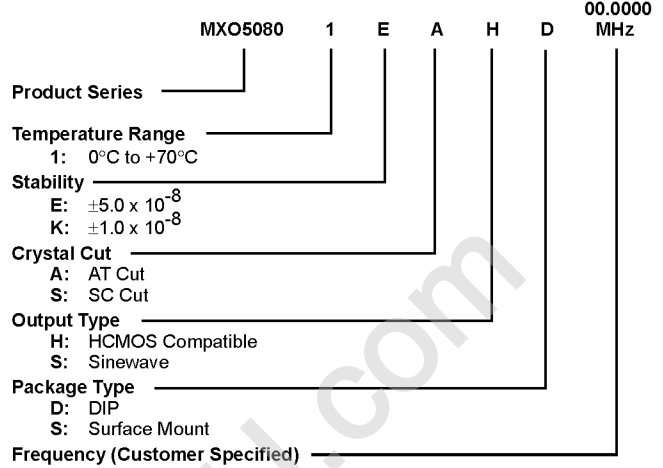
	S	E	K
T		A	S

A = AT Cut  
S = SC Cut

- Surface mount package offering both AT and SC cut crystals
- Ideal for microwave radios (short haul), base stations, and test equipment applications where size and package style (SMT) are critical



### Ordering Information



Electrical Specifications	PARAMETER	SC-cut	AT-cut
	Frequency Range	10 MHz	10 MHz
	Temperature Range	0°C to +70°C	0°C to +70°C
	Temperature Stability	$\pm 1.0 \times 10^{-8}$	$\pm 5.0 \times 10^{-8}$
	Supply Voltage	+5 Vdc $\pm 5\%$	+5 Vdc $\pm 5\%$
	Aging Over 1 Year	$\pm 5.0 \times 10^{-8}$	$\pm 2.0 \times 10^{-7}$
	Aging Per Day	$< \pm 5.0 \times 10^{-10}$	$\pm 1.0 \times 10^{-9}$
	Frequency Adjustment	$\pm 2.0 \times 10^{-6}$	$\pm 4.0 \times 10^{-6}$
	Power Consumption @ 25°C steady state	1.25 watt	
	Warm-up Power	4.0 watt	
Warm-up Time @ 25°C	to within $1.0 \times 10^{-7}$ of Fo in 2 min		
Voltage Control Range	0 to 4 V		
Slope	Positive		
Reference Output	3.9 V		
Phase Noise			
1 Hz	-90 dBc/Hz	-80 dBc/Hz	
10 Hz	-120 dBc/Hz	-115 dBc/Hz	
100 Hz	-140 dBc/Hz	-140 dBc/Hz	
1 kHz	-145 dBc/Hz	-145 dBc/Hz	
10 kHz	-145 dBc/Hz	-145 dBc/Hz	

### Pin Connections

PIN	FUNCTION
1	RF Output
2	N/C
4	Case Ground & Supply Return
6	N/C
7	Frequency Adjust or Vref
13	Vref (Optional)
15	N/C
17	Oven Ready (Optional)
19	Supply (+)

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