XO3080 Series
1.1x0.7 inch, 3.3 & 5.0 Volt, HCMOS/Sinewave, TCXO

- **All output types**
- **VCTCXO version available**

Model XO3080	Frequency (MHz)	Temperature Range (°C)	Temperature Stability	Aging First Year	Output	Supply Voltage
XO3080	20	-30 to +70	±0.75 ppm	±1.0 ppm	Sine	5 V ±0.25 V
Options	10 to 125	See Table		Frequency Dependent	HCMOS	+3.3 V or +15 V

Additional Specifications

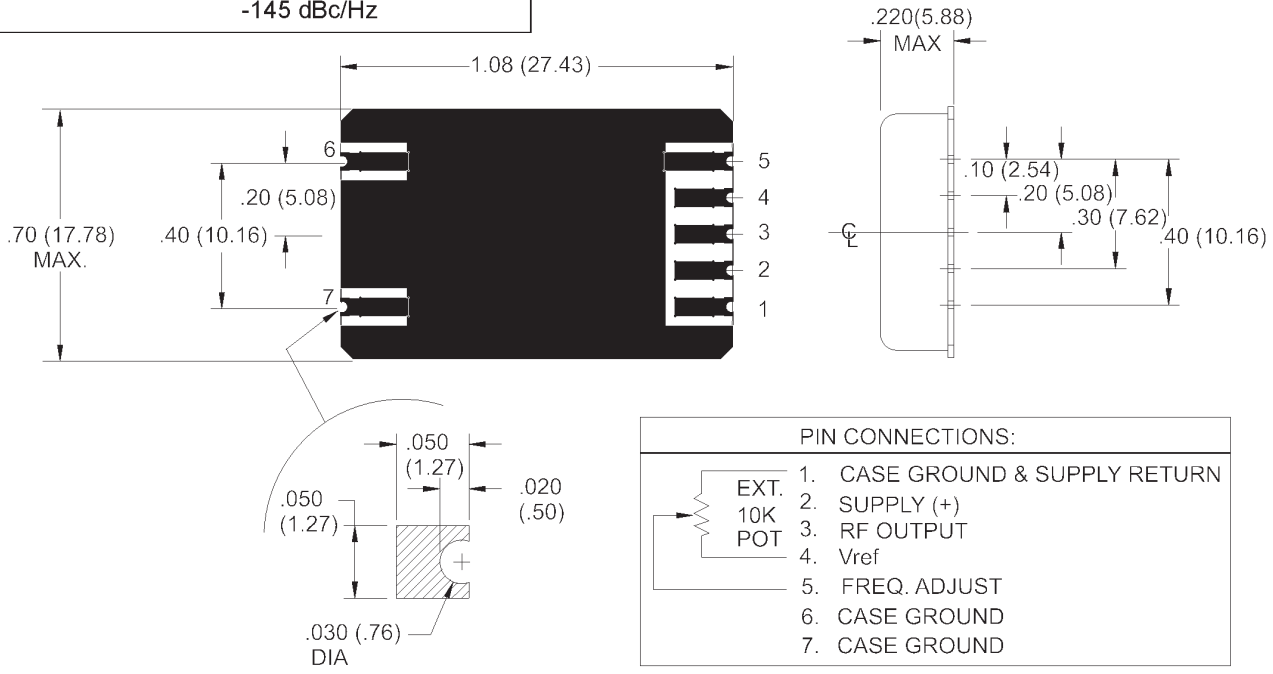
Aging over ten years	±3.0 ppm max
Current	
Sinewave	As low as 2 mA
HCMOS	As low as 4 mA
Frequency Adjust	
Method	External 10 k Pot/voltage
Range	±5 ppm
Sinewave	
Level	0 dBm or 2.0 V_{p-p}
Load	50 Ω or 1 k Ω//10 pF
HCMOS	
Duty Cycle	40/60
Load	2 Gates
Phase Noise @ 20 MHz	
10 Hz	-85 dBc/Hz
100 Hz	-115 dBc/Hz
1 kHz	-135 dBc/Hz
10 kHz	-145 dBc/Hz

M6035Sxxx - Contact factory for datasheet.

HCMOS Load - see load circuit diagram #2.
Sinewave load - see load circuit diagram #8.

Optional Temperature Range °(C)	Frequency/Temperature Stability (ppm) ±1	±0.75	±0.50	±0.25
+15 to +30	√	√	√	√
0 to +50	√	√	√	√
0 to +70	√	√	√	
-20 to +70	√	√	√	
-40 to +75	√	√		
-55 to +85	√			

This TCXO can be produced to these specifications, with extended temperature range and tighter stability being cost drivers.



PIN CONNECTIONS:

EXT. 10K POT

1. CASE GROUND & SUPPLY RETURN
2. SUPPLY (+)
3. RF OUTPUT
4. Vref
5. FREQ. ADJUST
6. CASE GROUND
7. CASE GROUND

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