

XO3080 Series

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



- All output types
- VCTCXO version available



Model	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

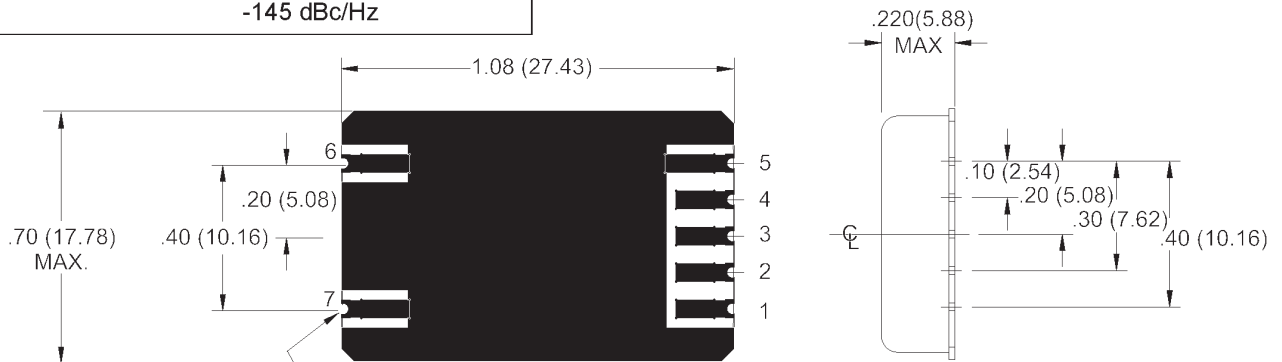
10 Hz	-85 dBc/Hz
100 Hz	-115 dBc/Hz
1 kHz	-135 dBc/Hz
10 kHz	-145 dBc/Hz

M6035Sxxx - Contact factory for datasheet.

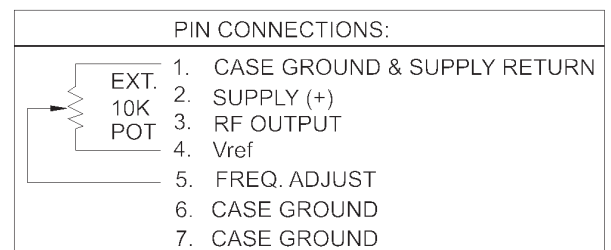
HCMOS Load - see load circuit diagram #2.
Sinewave load - see load circuit diagram #8.

Optional Temperature Range °(C)	±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.



TYP., 7 PLACES



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