MVH Series

8 pin DIP, 5.0 Volt, HCMOS/TTL, VCXO

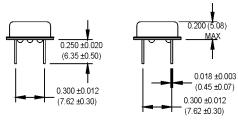


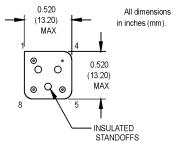






- General purpose VCXO for Phase Lock Loops (PLL), Clock Recovery, Reference Signal Tracking and Synthesizers
- Frequencies up to 50 MHz and tri-state option





Pin Connections

PIN	FUNCTION
1	Control Voltage
4	Circuit/Case Ground
5	Output
8	+Vdd

Ordering Information								00.000
	MVH	1	3	V	2	С	D	MHz
Product Series ———								
1: 0°C to +70°C 2:	-40°C to +8	5°C						
6: -20°C to +70°C								
Stability —								
1 : ±1000 ppm 2 : ±50								
4 : ±50 ppm 5 : ±35			5 ppn	ו ו				
8: ±20 ppm (Contact facto	ry for availa	bility)						
Output Type ————								
V: Voltage Controlled								
Pull Range ($Vc = .5 \text{ to } 4.5 \text{ V}$								
1: ±50 ppm min. 2	: ±100 ppm	min.						
Symmetry/Logic Compatib						_		
A: 40/60 CMOS/TTL C	: 45/55 HCI	MOS						
Package/Lead Configuration	ns ——							
D: DIP; Nickel Header G	: Gull Wing	Nicke	el Hea	ader				
RoHS Compliance ———								
Blank: non-RoHS complia								
-R: RoHS compliant p	art							
Frequency (customer spec	ified) —							

Ordering Inform	+125 nation) +3 +1	°C ppm	See Note 1		
Ordering Inform	+125 nation) +3 +1	ppm			
Ordering Inform	+3 +1	ppm			
Ordering Inform	+3 +1	l			
	+1	l			
	+1	l			
		nnm			
	action)	PPIII			
	nation)		Over control voltage		
2.5	4.5	٧			
	10	%	Positive Monotonic Slope		
		kHz			
		Ohms			
5.0	5.25	٧			
	35	mA			
			HCMOS/TTL		
L or 50 pF			See Note 2		
(See Ordering Information)			See Note 3		
"1" Level Voh 90% Vdd		٧	HCMOS load		
0.5		٧	TTL load		
	10% Vdd	٧	HCMOS load		
	0.5	٧	TTL load		
	10	ns	See Note 4		
5		ms			
0.4	1.0	ps RMS	Integrated 12 kHz - 20 MHz		
0.2	0.5	ps RMS	Integrated 12 kHz - 20 MHz		
z 1 kHz	10 kHz	100 kHz	Offset from carrier		
-137	-152	-159	dBc/Hz		
-135	-154	-161	dBc/Hz		
	L or 50 pF Ordering Inform //dd 0.5 5 0.4 0.2 1 kHz -137	5.0 5.25 35 L or 50 pF Ordering Information) /dd 0.5 10% Vdd 0.5 10 5 0.4 0.2 0.5 1 the control of the c	10 % kHz Ohms 5.0 5.25 V 35 mA		

- Higher frequencies available. Contact factory.
 TTL load see load circuit diagram #1. HCMOS load see load circuit diagram #2.
- Symmetry is measured at 1.4 V with TTL load, and at 50% with HCMOS load.
 Rise/Fall times are measured between 0.5 V and 2.4 V for TTL load, and between 10% Vdd and 90% Vdd for

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