ME Series

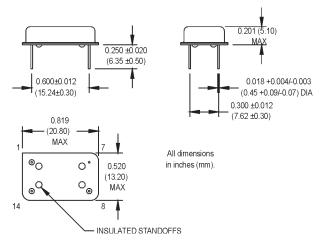
14 pin DIP, 5.0 Volt, ECL, PECL, Clock Oscillator





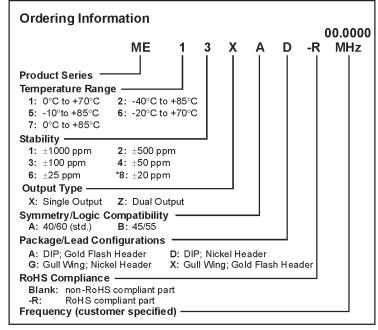


ME Series ECL/PECL Clock Oscillators, 10 KH **Compatible with Optional Complementary Outputs**



Pin Connections

PIN	FUNCTION(S) (Model Dependent)				
1	N/C, Output #2				
7	-Vee, Ground				
8	Output #1				
14	+Vcc				



^{*}Contact factory for availability.

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition
Electrical Specifications	Frequency Range	F	19.44		155.52	MHz	
	Frequency Stability	△F/F (See Ordering Information)					
	Operating Temperature	TA	(See Ordering Information)				
	Storage Temperature	Ts	-55		+125	°C	
	Input Voltage	Vcc	4.75	5.0	5.25	٧	
	Input Current	lee/lcc		35	60	mA	
	Symmetry (Duty Cycle)		(See Ordering Information)				Vcc -1.3 V level
	Load		130 Ω to Vcc -2V or Thevenin Equivalent				See Note 1
	Rise/Fall Time	Tr/Tf			2.5	ns	See Note 2
	Logic "1" Level	Voh	Vcc -0.98			٧	
	Logic "0" Level	Vol			Vcc -1.63	٧	
	Cycle to Cycle Jitter			11	25	ps RMS	1 Sigma
Environmental	Mechanical Shock	Per MIL-STD-202, Method 213, Condition C					
	Vibration	Per MIL-STD-202, Method 201 & 204					
	Wave Solder Conditions	+260°C for 10 secs. Max.					
	Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 [®] atm.cc/s of helium)					
п	Solderability	Per EIAJ-STD-002					

- 1. Internally terminated outputs. See load circuit diagram #4.
- 2. Rise/Fall times are measured between Vcc -0.98 V and Vcc -1.63 V.

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.

Please see www.mtronpti.com for our complete offering and detailed datasheets. Contact us for your application specific requirements: MtronPTI 1-800-762-8800.