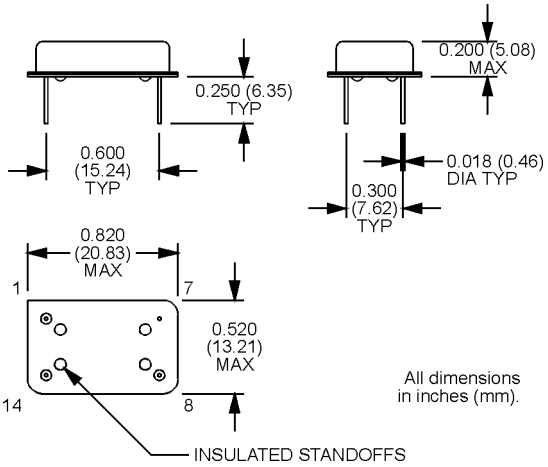
ME Series ECL/PECL Oscillators

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



All dimensions in inches (mm).

See page 135 for gull wing configuration.

Ordering Information

00.0000 MHz

ME 1 3 W A D

Product Series

Temperature Range
- 1: 0°C to +70°C
- 2: -40°C to +85°C
- 5: -10°to +85°C
- 6: -20°C to +70°C
- 7: 0°C to +85°C

Stability
- 1: ±1000 ppm
- 2: ±500 ppm
- 3: ±100 ppm
- 4: ±50 ppm
- 6: ±25 ppm
- 8: ±20 ppm

Output Type
See Table Below

Symmetry/Logic Compatibility
- A: 40/60 (std.)
- B: 45/55

Package/Lead Configurations
- A: DIP; Gold Flash Header
- D: DIP; Nickel Header
- G: Gull Wing; Nickel Header
- X: Gull Wing; Gold Flash Header

Frequency (customer specified)

ME ECL/PECL Output Type

Pin Functions	W	X	Y	Z
Single Output Pin 8	•	•		
Dual Output Pin 1 & 8			•	•
Pin 7 Case Ground		•		•
Pin 14 Case Ground	•		•	
Pin 7 -Vee	•	•	•	•
Pin 14 +Vcc	•	•	•	•

Pin Connections

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

*Available Stabilities vs. Temperature

T \ S	1	2	3	4	6	8
1	A	A	S	A	A	A
2	A	A	A	A	N	N
5	A	A	A	A	N	N
6	A	A	A	A	N	N
7	A	A	A	A	N	N

* Contact factory for other temperature and stability combinations.

A = Available
N - Not Available
S = Standard

Electrical Specifications

Standard Operating Conditions • 0°C to +70°C; Vcc = 5.0 ±5% VDC				
PARAMETERS	**MIN.**	**TYP.**	**MAX.**	**UNITS**
Frequency Range [1]	19.440		155.520	MHz
Output Load [2]				
Symmetry [3]	40/60		60/40	%
Logic "0" Level			Vcc-1.63	V
Logic "1" Level	Vcc-0.98			V
Rise/Fall Time [4]			2.5	nS
Supply Current		35	60	mA

[1] Higher frequencies available by "special order". Contact factory.
[2] Internally terminated outputs. See load circuit diagram #4 on page 137.
[3] Symmetry is measured at Vcc-1.3 V level.
[4] Rise/Fall times are measured between Vcc-0.98 and Vcc-1.63. See page 136 for suggested soldering conditions.

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