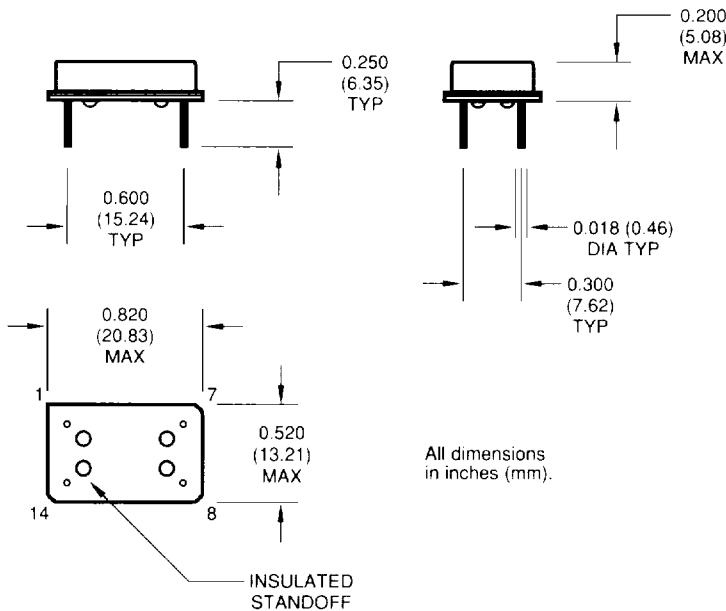


ME Series ECL Oscillators

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



Part Marking and Numbering	ME	1	3	W	A	D
Product Series	ME					
Temperature Range	1: 0°C to +70°C 2: -40°C to +85°C 7: 0°C to +85°C					
Stability	1: ±1000 ppm 2: ±500 ppm 3: ±100 ppm 4: ±50 ppm					
Output Type	See additional information (Table 1)					
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					

ME ECL Output Type

Table 1

Pin Functions:	A	B	C	H	J	K	L	M	N	R	W	X	Y	Z
Single Output Pin 8	■		■	■		■			■	■	■	■		
Dual Output Pin 1 & 8		■			■		■						■	■
Enable / Disable Pin 1			■							■				
Pin 7 Case Grd			■	■	■								■	■
Pin 14 Case Grd						■	■			■	■		■	■
No Pin Case Grd	■	■						■	■					
Pin 7 + V _{CC}						■	■	■	■					
Pin 7 - V _{EE}	■	■								■	■		■	■
Pin 14 + V _{CC}	■	■	■										■	■
Pin 14 - V _{EE}				■	■				■	■				

Pin Connections

Pin	Function(s) (Model Dependent)
1	N/C Output #2, E / D, GRD
7	-V _{EE} or +V _{CC} GRD
8	Output #1
14	+V _{CC} or -V _{EE} , GRD


Available Stabilities vs Temperature


T	S	1	2	3	4
1	A	A	S	A	
2	A	A	A	A	
7	A	A	A	A	

A = AVAILABLE
S = STANDARD

Electrical Specifications

(Standard Operating Conditions 0°C to +70°C; V_{CC} = 5.0 ±5% V DC)

PARAMETERS	MIN.	TYP.	MAX.	UNITS
Frequency Range	40.000		200.000	MHz
Output Load 		See load circuit #4 on page 32.		
Symmetry	40/60		60/40	%
Logic "0" Level			V _{CC} -1.63	V
Logic "1" Level	V _{CC} -0.98			V
Rise/Fall Time			2.5	ns
Supply Current		35	60	mA

 Internally terminated outputs

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