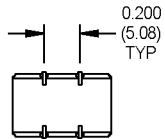
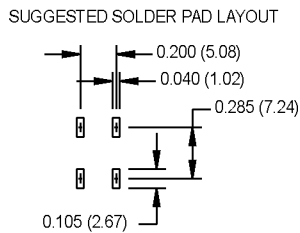
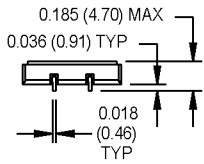
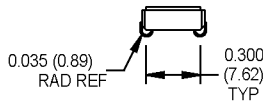
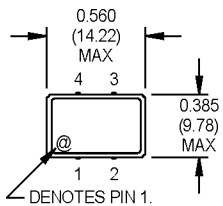


M5S Series 3.3 Volt PECL Oscillators

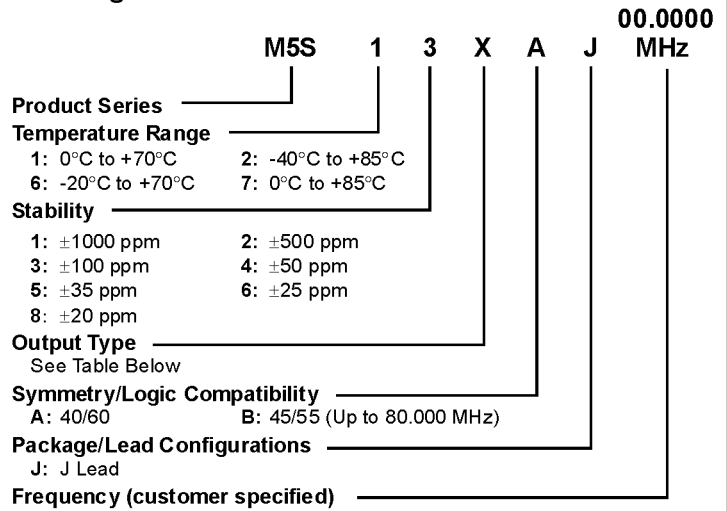


M5S Series PECL Clock Oscillators with Optional Complementary Outputs. PLL Version



All dimensions in inches (mm).

Ordering Information



Available Stabilities vs. Temperature

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

A = Available
 N = Not Available
 S = Standard
 C = Consult Factory

Pin Connections

PIN	FUNCTION(S) (Model Dependent)
1	N/C or Output #2
2	Case Ground
3	Output #1
4	+Vcc

PECL Output Type

PIN FUNCTIONS:	X	Z
Single Output Pin 3	•	
Dual Output Pin 1 & 3		•
Pin 2 Case Ground	•	•
Pin 4 +Vcc	•	•

Electrical Specifications

Standard Operating Conditions • 0°C to +70°C; Vcc = 3.3 ±5% VDC				
PARAMETERS	MIN.	TYP.	MAX.	UNITS
Frequency Range	19.440		100.000	MHz
Output Load ¹				
Symmetry ²	40/60		60/40	%
Logic "0" Level			Vcc-1.63	V
Logic "1" Level	Vcc-0.98			V
Rise/Fall Time ³			2.5	nS
Supply Current		50	90	mA

¹ Internally terminated outputs. See load circuit diagram #4 on page 137.
² Symmetry is measured at Vcc-1.3 V level.
³ Rise/Fall times are measured between Vcc-0.98 and Vcc-1.63. Utilizes PLL clock generation. Not recommended for low jitter applications. See page 136, Figure "2" for suggested solder profile.

M-tron 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. No rights under any patent accompany the sale of such product.

M-tron Industries, Inc., PO Box 630, Yankton, SD 57078-0630, USA Phone: 605-665-9321 or 1-800-762-8800 Fax: 605-665-1709 Website: www.mtron.com
 M-tron Industries Limited, 1104 Shanghai Industrial Investment Building, 48-62 Hennessy Road, Wanchai, Hong Kong, China Phone: 852-2866-8023 Fax: 852-2529-1822