PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

PESM 00 HM 33 R T - 30.000MHz

Package
PESM = 5X7X1.6mm, PECL Oscillator, High Frequency

Inclusive Stability
00 = 100ppm
50 = 50ppm
25 = 25ppm
15 = 15ppm
10 = 10ppm

Operating Temperature Range
HM = 0°C to 70°C
GM = -10° to-20°C
FM = -20° to 70°C
CQ = -40°C to 85°C

Pin One Connection
T = Tri State Enable High
N = No Connect

Output Symmetry
R = 40/60%
S = 45/55%

Voltage
18 = 1.8V
25 = 2.5V
30 = 3.0V
33 = 3.3V
50 = 5.0V

ELECTRICAL SPECIFICATIONS

Revision: 2005-A

Frequency Range		74.000MHz to 200.000MHz
Operating Temperature Range		0°C to 70°C / -20°C to 70°C / -40°C to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage		1.8V, 2.5V, 3.0V, 3.3V, 5.0V
Supply Current		70mA Maximum
Frequency Tolerance / Stability	Inclusive of Operating Temperature Range, Supply Voltage and Load	±100ppm, ±50ppm, ±25ppm, ±20ppm, ±15ppm or ±10ppm
Rise / Fall Time	1.0 nSec Maximum (20% to 80% of Amplitude)	
Duty Cycle		50 ±10% (Standard) 50±5% (Optional)
Load Drive Capability		50 ohms (Vcc to +2.0V)
Aging (@ 25°C)		±5ppm Maximum (first year)
Start Up Time		10mSeconds Maximum
RMS Clock Jitter		1pS Maximum

MECHANICAL DIMENSIONS

Marking Guide on page F3-F4

Pin	Connection
1	Enable / Disable
2	NC
3	Ground
4	Output
5	C - Output
6	Vcc

