

**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

