

PART NUMBERING GUIDE

Environmental/Mechanical Specifications on page F5

OC-3.3- 100 48 A T - 30.000MHz

Package
OC-3.3 = 5X7X1.6mm / 3.3Vdc / HCMOS-TTL
OC-2.5 = 5X7X1.6mm / 2.5Vdc / HCMOS-TTL

Pin One Connection
T = Tri State Enable High

Output Symmetry
Blank = 40/60%, A = 45/55%

Inclusive Stability
100= +/-100ppm, 50= +/-50ppm, 30= +/-30ppm, 25= +/-25ppm,
20= +/-20ppm, 15= +/-15ppm, 10= ±10ppm (25,20,15,10= 0°C-70°C Only)

Operating Temperature Range
Blank = -10°C to 70°C, 27 = -20°C to 70°C, 48 = -40°C to 85°C

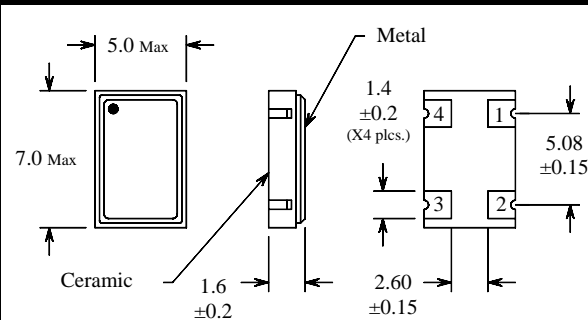
ELECTRICAL SPECIFICATIONS

Revision: 1996-G

Frequency Range	1.544MHz to 185.000MHz	
Operating Temperature Range	-10°C to 70°C / -20°C to 70°C / -40°C to 85°C	
Storage Temperature Range	-55°C to 125°C	
Supply Voltage	2.5Vdc ±10% or 3.3Vdc ±10%	
Input Current	1.544MHz to 36.000MHz 36,001MHz to 70.000MHz 70.001MHz to 185.000MHz	10mA Maximum 18mA Maximum 40mA Maximum
Frequency Tolerance / Stability	Inclusive of Operating Temperature Range, Supply Voltage and Load	±100ppm, ±50ppm, ±30ppm, ±25ppm, ±20ppm, ±15ppm or ±10ppm (25, 20, 15, 10 = 0°C to 70°C)
Output Voltage Logic High (Voh)	w/HCMOS or TTL Load	90% of Vdd Min. / Ioh=-8mA
Output Voltage Logic Low (Vol)	w/HCMOS or TTL Load	10% of Vdd Max. / Iol=8mA
Rise / Fall Time	10% to 90% of Waveform w/HCMOS Load; 0.4Vdc to 2.4V w/TTL Load / 5nSec Max.	
Duty Cycle	@1.4Vdc w/TTL Load; @50% w/HCMOS Load @1.4Vdc w/TTL Load or w/HCMOS Load	50 ±10% (Standard) 50±5% (Optional)
Load Drive Capability	1.544MHz - 36.000MHz 36.0001MHz - 70.000MHz 70.0001MHz - 185.000MHz	10TTL Load or 30pF / HCMOS Load Max. 10TTL Load or 15pF / HCMOS Load Max. 15pF / HCMOS Load Max.
Pin 1 Tristate Input Voltage	No Connection VIH VIL	Enables Output +0.7Vdc Minimum to Enable Output +0.3Vdc Maximum to Disable Output
Aging (@ 25°C)	±5ppm / year Maximum	
Start Up Time	10mSeconds Maximum	
Stand By Current	10uA Maximum (Disabled Output, High Imp)	
RMS Phase Jitter	1pSec Maximum / 12kHz to 20.000MHz offset	

MECHANICAL DIMENSIONS

Marking Guide



All Dimensions in mm.

Line 1: 3T- Frequency

Line 2: CEI YM

3 = 3.3V designator

T = Tristate

CEI = Caliber Electronics Inc.

YM = Date Code (Year / Month)

Pin 1: Tri-State
Pin 2: Case Ground

Pin 3: Output
Pin 4: Supply Voltage