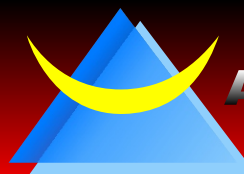


OHS SERIES

- Half Size (8 PIN DIP)
- 5.0, 3.3, and 2.5
- HCMOS/TTL Output
- Stability to $\pm 10\text{ppm}$



ASCEND

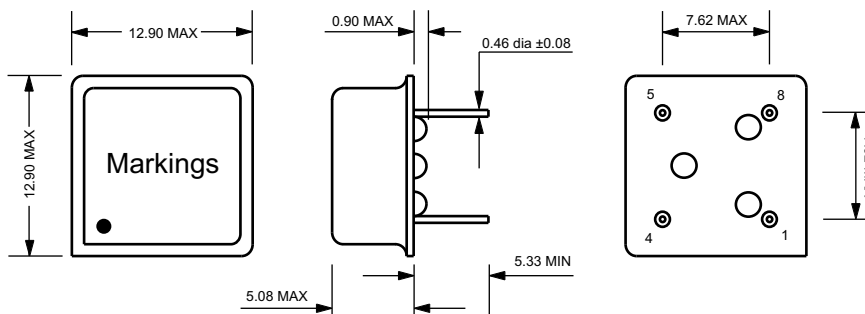
FREQUENCY DEVICES

Electrical Specifications

Frequency Range:	-	3.000KHz to 220.000MHz
Frequency Stability:	-	$\pm 100\text{ppm}$ to $\pm 10\text{ppm}$ (Inclusive of Temperature, Load, Voltage and Aging)
Operating Temperature Range:	-	0°C to +70°C, -20°C to +70°C, 0°C to +85°C, or -40°C to +85°C
Storage Temperature Range:	-	-55°C to +125°C
Supply Voltage (Vdd):	-	5.0Vdc $\pm 10\%$, 3.3Vdc $\pm 10\%$, or 2.5Vdc $\pm 10\%$
Supply Current:	Vdd = 5.0V Vdd = 3.3V Vdd = 2.5V	20mA Max. (3KHz to 24MHz); 30mA Max. (24.001MHz to 50MHz); 50mA Max. (50.001MHz to 70MHz); 60mA Max. (70.001MHz to 220MHz) 10mA Max. (3KHz to 24MHz); 20mA Max. (24.001MHz to 50MHz); 25mA Max. (50.001MHz to 70.000MHz) 35mA Max. (70.001MHz to 220MHz) 20mA Max. (24MHz to 30MHz); 40mA Max. (30.001MHz to 80MHz)
Output Voltage HCMOS / TTL:	Logic 0 Logic 1	0.5V Maximum w/TTL; 10% Vdd Maximum w/HCMOS 2.5V Minimum w/TTL; 90% Vdd Minimum w/HCMOS
Duty Cycle:	-	40%/60% Maximum or 45%/55% Maximum (1.4Vdc w/TTL Load; 50% of waveform w/HCMOS Load)
Load Drive Capability:	-	10TTL Gates or 50pF Load Maximum
Rise/Fall Time:	3.000KHz to 24.000MHz 24.001MHz to 70.000MHz 70.001MHz to 100.000MHz 100.001MHz to 220.000MHz	10nSec Maximum 6nSec Maximum 4nSec Maximum 2nSec Maximum
Start Up Time:	-	10mSec Maximum

Mechanical Dimensions

Pad	FUNCTION
1	No Connect or Tri-State
4	Case Ground
5	Output
8	Supply Voltage



MARKING

Line 1: Ascend
Line 2: XX.XXXX
("R" Denotes RoHS Compliance)
Line 3: XXXXXX (Date Code)

ALL DIMENSIONS
IN MILLIMETERS

Part Numbering Guide

OHS 5H C 3 A 1 - 33.000M - G

Series

Half Size (8 PIN DIP)

Supply Voltage

5H = 5.0V
3H = 3.3V
2H = 2.5V

Freq. Toler/Stab.

A = $\pm 100\text{PPM}$
B = $\pm 50\text{PPM}$
C = $\pm 25\text{PPM}$
D = $\pm 20\text{PPM}$
E = $\pm 10\text{PPM}$

Value added Options

G1 = Gull Wing (Option 1)
G = Gull Wing (Option 2)
CLXXX = Cut Leads

Frequency

Pin 1 Connection

1 = No Connect
2 = Tri-State

Duty Cycle

A = 40% / 60%
B = 45% / 55%

Temperature Range

1 = 0°C to +70°C
2 = -20°C to +70°C
3 = -40°C to +85°C