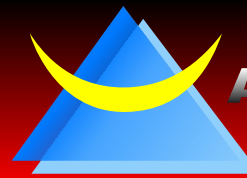


VD5H(3H) SERIES

- Full-Sive 4 PIN DIP with Gull Wing
- 5.0 and 3.3
- HCMOS Output
- Stability to $\pm 10\text{ppm}$



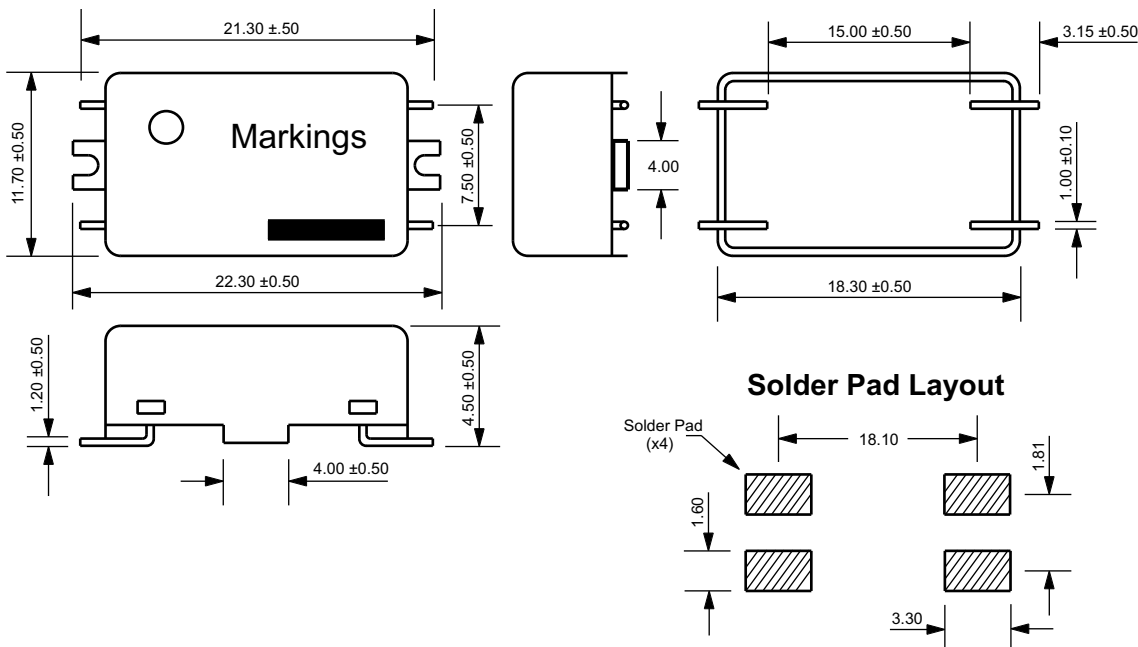
ASCEND

FREQUENCY DEVICES

Electrical Specifications

Frequency Range:	-	500.000KHz to 160.000MHz
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 or -40°C to +85°C
Storage Temperature Range:	-	-55°C to +125°C
Supply Voltage (Vdd):	-	5.0Vdc $\pm 5\%$ or 3.3Vdc $\pm 5\%$
Supply Current:	Frequency Dependant	15mA - 45mA
Output Voltage:	Logic 0	0.1 Vdd Maximum
	Logic 1	0.9 Vdd Minimum
Duty Cycle:	-	50% $\pm 10\%$
Load Drive Capability:	-	10K//50pF or 10TTL gates maximum
Rise/Fall Time:	-	10nSec Maximum
Start Up Time:	-	10mSec Maximum
Aging:	at 25°C	$\pm 5\text{ppm/year}$ maximum

Mechanical Dimensions



Part Numbering Guide

VD 5H A 1 A A Y - 33.000M

Series

4 Pin DIL VCXO

Supply Voltage

5H = 5.0V
 3H = 3.3V

Freq. Toler/Stab.

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

Temperature Range

1 = 0°C to +70°C
 2 = -40°C to +85°C

Frequency

Linearity

X = $\pm 20\%$ Max
 Y = $\pm 10\%$ Max
 Z = $\pm 15\%$ Max

Pullability

A = $\pm 200\text{ppm}$ min
 B = $\pm 150\text{ppm}$ min
 C = $\pm 100\text{ppm}$ min
 D = $\pm 50\text{ppm}$ min

Duty Cycle

A = 40% / 60%