

MVPJ Series SMD PECL VCXO

- FEATURES**
- . 14.0 x 9.5 x 4.7mm J-Leaded Package
 - . 5V/3.3V Tri-State/Complementary O/P
 - . Low Jitter, Wide Frequency/Pull/Temp

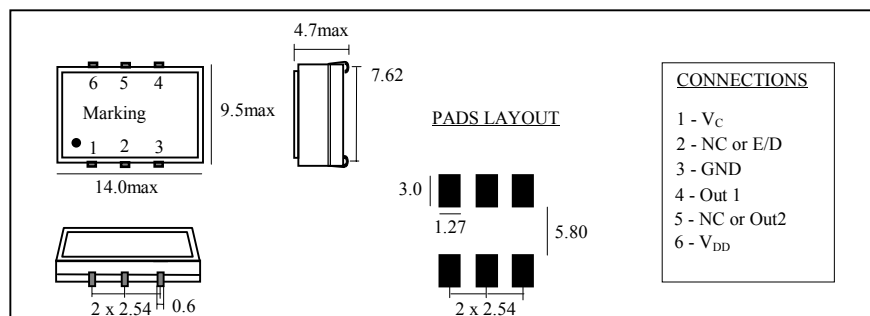
- APPLICATIONS**
- . Gigabit Ethernet
 - . xDSL, Networking
 - . Sonet

SPECIFICATIONS (subject to change w/o notice)

Parameters	Model MVPJ: 5V & 3.3V (V _{DD})	
Supply Voltage	3.3V±5% @ 90mA max	5V ±5% @ 120mA max
Frequency Range	19.440 ~ 180MHz	
Operating Temp.	0°C ~ +70°C to -40°C ~ +85°C	
Storage Temp.	-55°C ~ +125°C	
Frequency Stability	±20/30/50ppm (includes 25°C tolerance & changes due to temperature, supply, load & vibrations)	
Frequency Pullability	±30/50/100ppm	
Control Voltage (V _C)	0.3V ~ 3.0V	0.5V ~ 4.5V
Linearity	10 ~ 20% (std)	
Aging	±3ppm/year max	
Output Load	50Ω max to V _{DD} - 2.0V or Thevenin equivalent	
Output Logic Levels	V _{OL} = V _{DD} - 1.62V max V _{OH} = V _{DD} - 1.02V min	
Duty Cycle	40/60% ~ 45/55%	
Period Jitter RMS	3.5ps max	
Rise/Fall Time	2ns max (20% to 80% waveform)	
Start-up Time	10ms max	
Tri-State E/D I/P	NC or V _{OH} enables O/P; V _{OL} disables O/P (high impedance)	

OUTLINE

(mm) not to scale



PART NUMBERING

Model	Supply	Frequency	Stability	Pullability	Temperature	Duty Cycle	O/P Configuration	Packaging
MVPJ	5: 5V 3.3: 3.3V	MHz Value	5: 50ppm 3: 30ppm 2: 20ppm	D: 100ppm C: 50ppm B: 30ppm	Blank: 0C ~ +70C M: -20C ~ +70C N: -30C ~ +75C I: -40C ~ +85C	Blank: 40/60 T: 45/55	Blank: Out1 only Y: Out1 & Out2 Z1: Out1 & E/D Z2: Out1, Out2 & E/D	Blank: Bulk R: Tape & Reel
Example: MVPJ5-155.52-2C			Please Consult Microcom Devices Ltd. for Custom Specifications					