

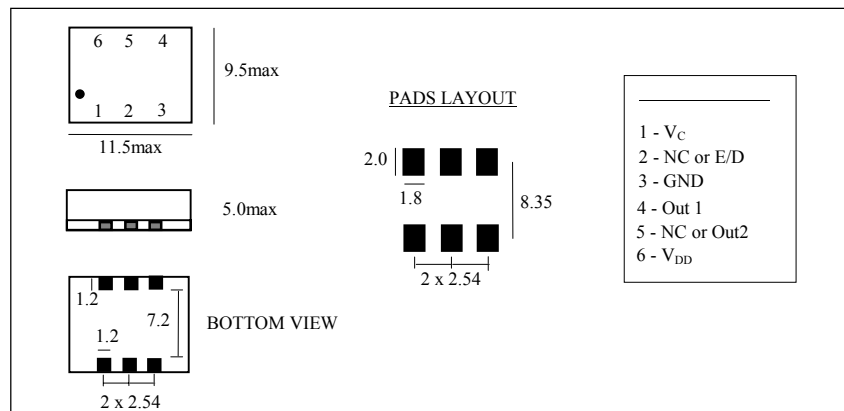
**MVPC Series
SMD PECL VCXO**

- FEATURES**
- 11.5 x 9.5 x 5.0mm SMD Package
 - 3.3V Tri-State/Complementary O/P
 - Low Jitter, Wide Freq/Pull/Temp Ranges

SPECIFICATIONS (subject to change w/o notice)

Parameters	Model MVPC
Supply Voltage	3.3V±5% @ 95mA max
Frequency Range	120 ~ 700MHz
Operating Temp.	0°C ~ +70°C to -40°C ~ +85°C
Storage Temp.	-55°C ~ +125°C
Frequency Stability	±30//50/100ppm (includes 25°C tolerance & changes due to temperature, supply, load & vibrations)
Frequency Pullability	±50/100ppm min, positive slope
Control Voltage (V _C)	0V ~ 3.3V (1.65V ± 1.65V) → 50kΩ
Linearity	10 ~ 20%
Aging	±5ppm max first year
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	4.0ps @ 155.52MHz
Rise/Fall Time	1.5nsec max (20% ~ 80% waveform)
Start-up Time	10 ms 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
MVPC	3.3: 3.3V	MHz Value	6: 100ppm 5: 50ppm 3: 30ppm	D: 100ppm C: 50ppm	Blank: 0 ~ +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: MVPC3.3-155.52-5D			Please Consult Microcom Devices Ltd. for Custom Specifications					