

Emhiser Micro-Tech

VCO Specification

Model Number: ELCO-MPR-408/508-01

Frequency Range (MHz): 4000-5000 MHz

Min Tuning Voltage (VDC): 0 V

Max Tuning Voltage (VDC): 15 V

Min Output Power (dBm): 9 dBm

Max Output Power (dBm): 13 dBm

Min Mod Sens (MHz/V): 55 MHz/V

Max Mod Sens (MHz/V): 90 MHz/V

2nd Harmonic (dBc Worst Case): -30 dBc

3rd Harmonic (dBc Worst Case): n/a dBc

Spurious Outputs (dBc Worst Case): -70 dBc

Pulling (MHz) into a 12 dB RTN Loss: 25 MHz

Pushing (MHz/V max.): 5 MHz/V

3 dB Modulation BW (MHz min.): MHz/V

Phase Noise @ 1 MHz (dBc): dBc/Hz TYP.

Phase Noise @ 100 kHz (dBc): -115 dBc/Hz TYP.

Phase Noise @ 10 KHz (dBc): --90 dBc/Hz TYP.

Phase Noise @ 1 KHz (dBc): -60 dBc/Hz TYP.

Temperature Range (°C): -20°C to +70°C

Vcc (VDC) ±0.5 V: 15 V

Icc (mA max.): 40 mA

Package Size: MPR - 0.50" DIA. x 0.17" CAN

Special Notes: