

MW500-1594

617 MHz to 627 MHz

VOLTAGE CONTROLLED OSCILLATORS



Specifications

Frequency	617 MHz to 627 MHz
Tuning Voltage	0/3 V
Power Output	5 +/- 2 dBm
Phase Noise	10 kHz Offset -105 (typ) dBc/Hz 100 kHz Offset -125 (typ) dBc/Hz
Frequency Pushing	1 MHz/V
Frequency Pulling	5 MHz
Harmonic Suppression	-10 (MAX)

Operating Specifications

Supply Voltage	3 V _{cc}
Supply Current	28 mA
Load Impedance	50
Operating Temperature	-40 to 80 °C

Notes

VCO to have tuning sensitivity of 9-12 MHz/Volt typical within the band of 617-627MHz. 3-dB modulation bandwidth to be 1MHz minimum.



MERCURY COMMERCIAL ELECTRONICS

PIN 1
DESIGNATOR



PINOUT	
2	V _{cc}
6	V _{tune}
14	RF _{out}
OTHER	GND