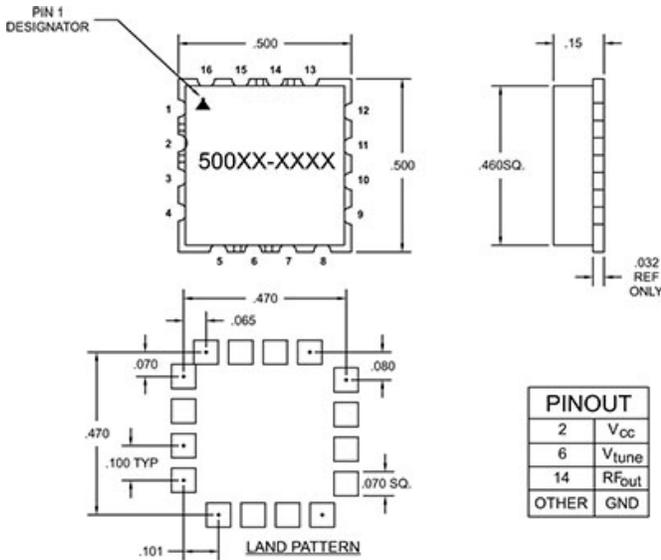


SPEC SHEET

MW500-1593

1450 MHz to 3500 MHz

VOLTAGE CONTROLLED OSCILLATORS



Specifications

Frequency	1450 MHz to 3500 MHz
Tuning Voltage	0.5/19.5 V
Power Output	10 +/- 2 dBm
Phase Noise	10 kHz Offset -85 (typ) dBc/Hz 100 kHz Offset -105 (typ) dBc/Hz
Frequency Pushing	5 MHz/V
Frequency Pulling	20 MHz
Harmonic Suppression	-15 (MAX)

Operating Specifications

Supply Voltage	8 V _{cc}
Supply Current	50 mA
Load Impedance	50
Operating Temperature	0 to 70 °C

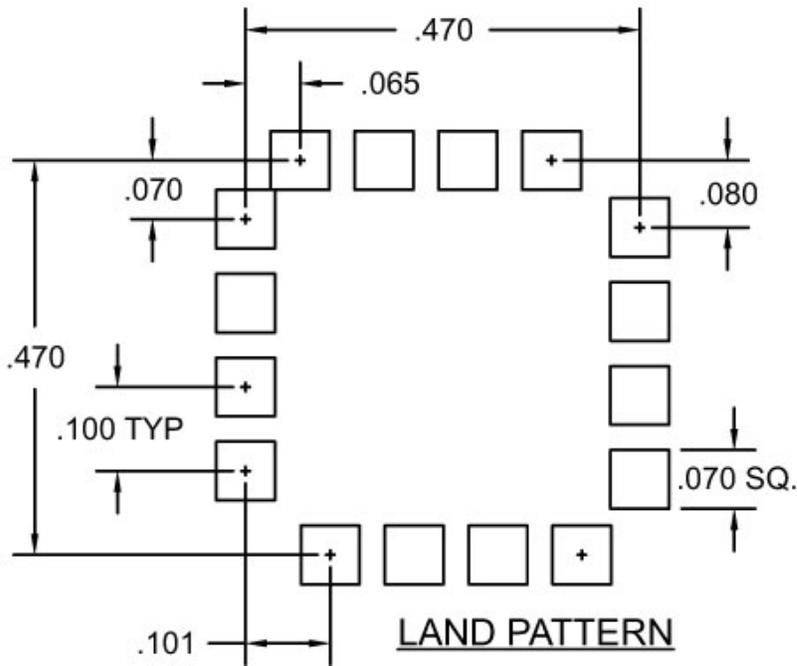
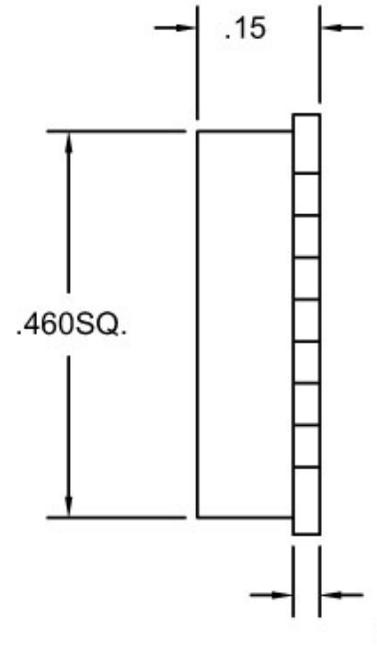
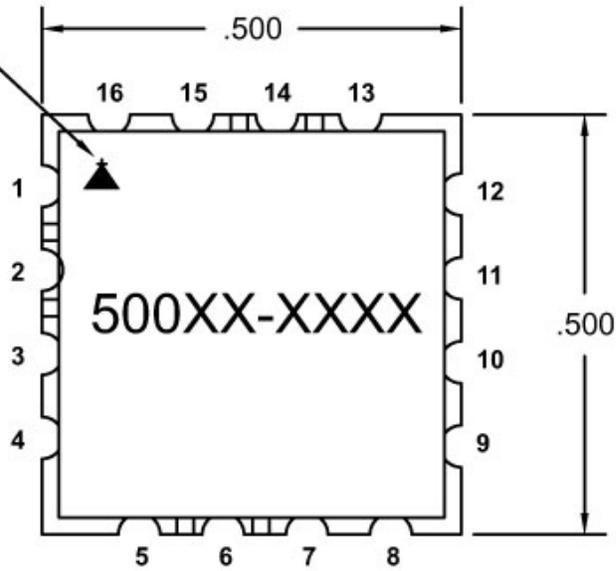
Notes

1. The output power guarantee will be determined after the proto type unit is built and measured. 2. Kv will be guaranteed after the proto type unit is built and measured.



MERCURY COMMERCIAL ELECTRONICS

PIN 1
DESIGNATOR



PINOUT	
2	V _{cc}
6	V _{tune}
14	R _{Fout}
OTHER	GND