

OS1-001

10 MHz to 20 MHz OCXO

ELECTRICAL SPECIFICATIONS

FREQUENCY: 10 MHz to 20 MHz

OS1-001-010 = 10 MHz

OS1-001-013 = 13 MHz

OS1-001-020 = 20 MHz

FREQUENCY: 10 MHz to 20 MHz

OP. TEMP: 0°C to +70°C

STORAGE: -55°C to +85°C

STABILITY vs TEMPERATURE: $\pm 5 \times 10^{-8}$
1°C/minute

RETRACE: $\pm 2 \times 10^{-8}$

AGING $< 1 \times 10^{-7}$ /year
After 10 days

INPUT: 12.0 $\pm$ 5% Vdc
CURRENT: 200 mA max at turn-on
100 mA max. idle

WARM-UP (25°C) ± 0.1 PPM within 10 minutes
of frequency after 60 minutes

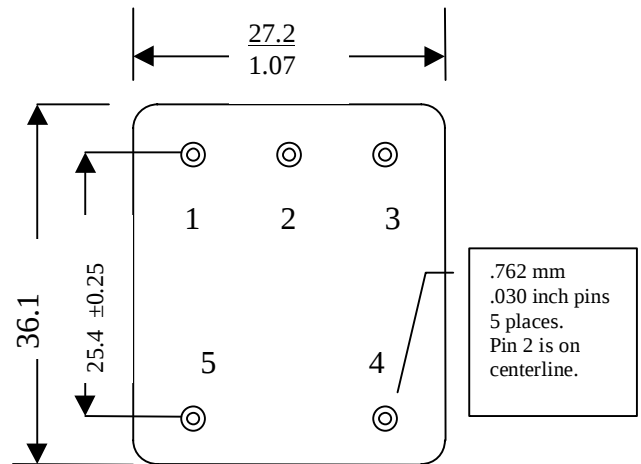
OUTPUT: 5 $\pm$ 3 dBm Sinewave

TUNING: ± 2 ppm minimum
0 to +10 Vdc

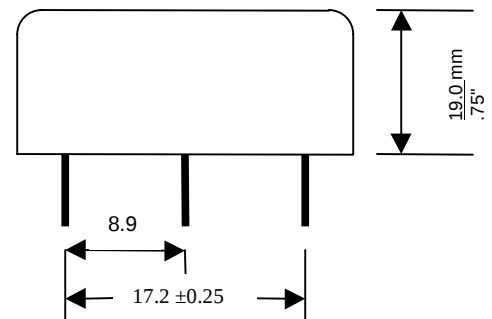
PHASE NOISE: -130 dBc at 100 Hz offset
-155 dBc at 100 KHz offset

PACKAGE: 36.1 x 27.2 x 19 mm max height
1.42 x 1.07 x 0.75 inches

SEAL: Solder Sealed



Bottom View



PINOUTS

1 = Voltage Control
2 = N/C
3 = +12.0 Vdc
4 = 10 MHz Output
5 = Case/Ground