



OCXO-300

MICROWAVE DYNAMICS Ovenized Crystal Oscillator



Microwave Dynamics' Ovenized Crystal Oscillators provide high stability of +/- 0.1 ppm at frequency of 50 MHz or 100 MHz. Parts are available for fast delivery.

Built to the same high standards as our DRO, these OCXOs provide an excellent reference input complementing our DRO and PLO lines.

These units feature high stability, fast warm-up, low power requirements, rugged military type housings and fast delivery.

GENERAL SPECS:

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|------------------------|--|
| Output Frequency Range | 50 or 100 MHz |
| Output Level | + 7 dBm into 50 ohms |
| Output Waveform | Sine-wave |
| Phase Noise | -167 dBc/Hz@10 KHz |
| Harmonic Distortion | -25 dBc |
| Spurious | -75 dBc |
| Load | 50 ohms |
| Input Supply Voltage | +12VDC < 800 mA warm-up 300mA after warm-up |
| Warm-up Time | 5 minutes from +25°C for frequency accuracy to be within +/-1 x10 ⁷ |
| Storage Temperature | -55°C to +85°C |
| Operating Temperature | -40°C to +85°C |

FREQUENCY STABILITY AS A FUNCTION OF:

| | |
|----------------------|--|
| Frequency Adjustment | +/- 1.5 ppm |
| Aging | After 30 days power on Daily: +/- 5 ppb 1 Year: +/- 0.5 ppm 20 Years: +/- 2.0 ppm |
| Outline Drawing | U01-094-0000 |

OUTLINE DRAWING:

