



# TCXO-200

## Temperature Compensated Crystal Oscillator

**Microwave Dynamics' TCXO Crystal Oscillators** provide stability of  $\pm 2.5$  ppm at frequency of 100 MHz. Parts are available for fast delivery.

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

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



### GENERAL SPECS:

Output Frequency Range	100 MHz
Output Level	+ 0 dBm
Output Waveform	Sine-wave
Phase Noise	-150 dBc/Hz@10 KHz
Harmonic Distortion	-20 dBc
Sub-Harmonics	-70 dBc
Load	50 ohms
Input Supply Voltage	+15/12VDC < 5 mA
Frequency Adjustment (Mechanical)	$\pm 5$ ppm

Storage Temperature	-55°C to +85°C
Operating Temperature	-55°C to +85°C

### FREQUENCY STABILITY AS A FUNCTION OF:

Temperature	< $\pm 2.5$ ppm over -55°C to +85°C
Aging	$\pm 1$ ppm / year after 30 days power on
Outline Drawing	U01-094-0000

### OUTLINE DRAWING:

