

Digitally Controlled Crystal Oscillator

(MIS-20079/27)



The /27 Digitally Controlled Crystal Oscillator (DCXO) combines the frequency stability of a crystal oscillator source with the flexibility of Direct Digital Synthesis (DDS) in a temperature controlled housing to provide a highly accurate output signal. The output frequency of 85 MHz \pm 70 kHz is controlled by a 16 bit binary work supplied from an external source to control the frequency.

SPECIFICATIONS

Output frequency	85 Mhz	Phase noise.....	>138dB/10KHz
Frequency Deviation.....	\pm 70 KHz	Isolation.....	\geq 40 db
Frequency Increment	2.13675 Hz	Spurious Levels.....	\geq 64 dBc
Output Power	\pm 0.8 dBm	Mech freq. Adjustment	\pm 5 ppm min.
Long Term Stability	\pm 1.5x10 ⁻⁶ /yr.	Operating Temp Range	-20° to 60° C

For more information contact

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