

Spread Spectrum Low EMI Clock Oscillator

(TTL / CMOS)

Features

- Packages 7.0 x 5.0 x 1.8 mm and 5.0 x 3.2 x 1.2 mm
- Frequency Range 3.5 MHz to 220.0 MHz

Applications

Medical Telemetry, Automotive, Handheld ID readers, Embedded systems

Specifications typical for 8.0 to 165.0 MHz

Size	7.0 x 5.0 x 1.8 mm
Spread Percentage	Total 1% Down Spread -1.0%(D1.0) Center Spread $\pm 0.5\%$ (C0.5) Total 2% Down Spread -2.0%(D2.0) Center Spread $\pm 1.0\%$ (C1.0) Total 3% Down Spread -2.0%(D2.0) Center Spread $\pm 1.5\%$ (C1.5)
EMI Reduction	-9 dBc (min.), 100 MHz @ C0.5 -12 dBc (min.), 100 MHz @ C1.0 -15 dBc (min.) 100 MHz @ C1.5 (dBc: with respect to no modulation) Frequency and total % spread dependent (more details on request)
Modulation Carrier	12 kHz (min.) , 42 kHz (max.)
Input Voltage	$V_{DD} = +3.3V$ DC $\pm 5\%$
Output Logic	CMOS (Square Wave)
Load	15 pF
Cycle-to-Cycle Jitter	± 100 ps (typ.), ± 150 ps (max.)
Operating Temp. range	-10°C to +70°C -40°C to +85°C
Aging	± 5 ppm per year (max.) at 25°C

- Please consult us for customized specifications.

