Ultra low noise/jitter wide temperature range clock oscillator

**Specification**
- 3.2 x 1.5 x 0.95mm
- 20 to 50MHz frequency range
- 151fs RMS phase jitter (12kHz to 20MHz)
- ±50ppm over -55 to 125°C
- ±30ppm over -45 to 85°C
- HCMOS output
- 1.8V, 2.5V & 3.3V supply voltages
- 50,000g shock version available
- 0.5ppb/G low acceleration

**Phase Noise (typical @50MHz 1.8V)**
- -93dBc/Hz @10Hz
- -124dBc/Hz @100Hz
- -149cBc/Hz @1kHz
- -159dBc/Hz @10kHz
- -162dBc/Hz @100kHz

**Applications**
- Communications
- GPS/Navigation
- PDA
- Smart munitions
- Test & diagnostics
- Transponders
- Wireless telemetry

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