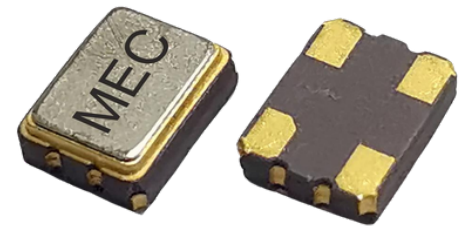


Wide Operating Temperature CMOS Crystal Oscillator



Mercury HY Series

▶ Features

- Femtosecond RMS phase jitter. 150 fs typical (12 kHz ~ 5 MHz)
- Superior phase noise: -155 dBc/Hz at 10 kHz and -160 dBc/Hz at 100 kHz offset
- Wide Operating Temperature range from -40 °C to +125 °C

▶ Products

Output Logic: CMOS

Package Type: SMD

Frequency Range: 1.25 ~ 50 MHz

Operating Temperature: -40°C to +125°C

Supply Voltage: +1.8V +2.5V +3.3V

Phase Noise: -155 dBc/Hz@10kHz, -160 dBc/Hz@100kHz

Dimensions: 2.5×2.0×0.9 mm, 3.2×2.5×1.0 mm

5.0×3.2×1.2 mm, 7.0×5.0×1.4 mm

Phase Jitter (RMS): 150 fs (12 kHz to 20 MHz integrated)

▶ Applications

- Telecommunications
- Industrial Automation
- Automotive
- Medical Devices
- IoT
- High-precision Metering
- Consumer Electronics

3225 HY-series 25.000MHz Refer at 25°C

