

406 SERIES TCXO

AS9100 / ISO9001 Certified

ULTRA MINIATURE SMD

Features

- RoHS compliant, Tight Stability over Wide Temperature Range, 3.2 mm x 2.5 mm x 1.0 mm
- Voltage Control Option for Electric Frequency Adjustments
- Leadless Chip Carrier (LCC) Ultra Small Package, Industry de factor Standard Footprint
- Small Size, Low Profile, Light Weight and Low Power Consumption

Specifications

Frequency Range 10 MHz to 52 MHz

Input Voltage (Vcc) 3.3V±5%; 3.0V±5%; 2.8V±5% Input Current 2.2 mA maximum at 3 V (25°C)

Frequency Stability vs. Temperature ±5 ppm; ±1 ppm; ±2.5 ppm;

Temperature Range 0° C to 70° C; -40° C to 85° C; -30° C to 75° C; -30° C to 85° C

Frequency Tolerance ±1.0 ppm maximum, after reflow (25°C)

Frequency vs. Voltage ± 0.2 ppm maximum / V $\pm 10\%$

Frequency vs. Load ± 0.2 ppm maximum / 10 kOhms or 10 pF $\pm 10\%$

±1.0 ppm maximum per year at 25°C Aging

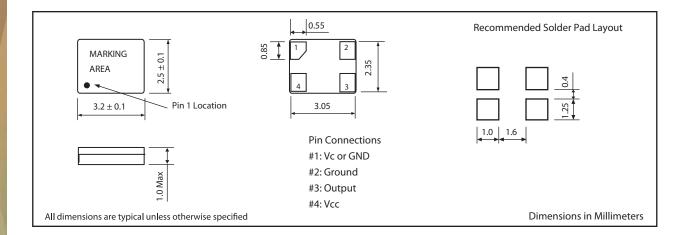
10 kOhms or 10 pF ±10% **Output Load Output Waveform** Clipped sine wave

Output Level 0.8Vp-p minimum Start-up Time 4 ms (Typical)

SSB Phase Noise -130 dBc/Hz at 10 KHz (Typical)

Control Voltage (Vc, Option) +0.9V ±0.6V, Positive polarity

Controllable Frequency ± 3 ppm to ± 5 ppm over control voltage range (0.3V to 1.5V)



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