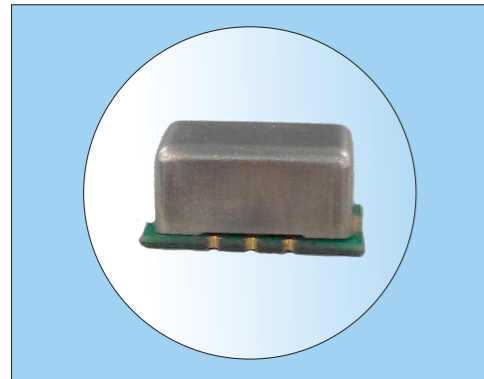


Surface Mount Type Oven Controlled Crystal Oscillator / OCXO-1409



Features

- SC Cut
- JYEG part number: JYOC15D
- Low Aging, Compact Package
- APPLICATIONS:
PCS Base Station, Cellular Base Station
Synthesizer, Digital Switching
Measurement Equipment

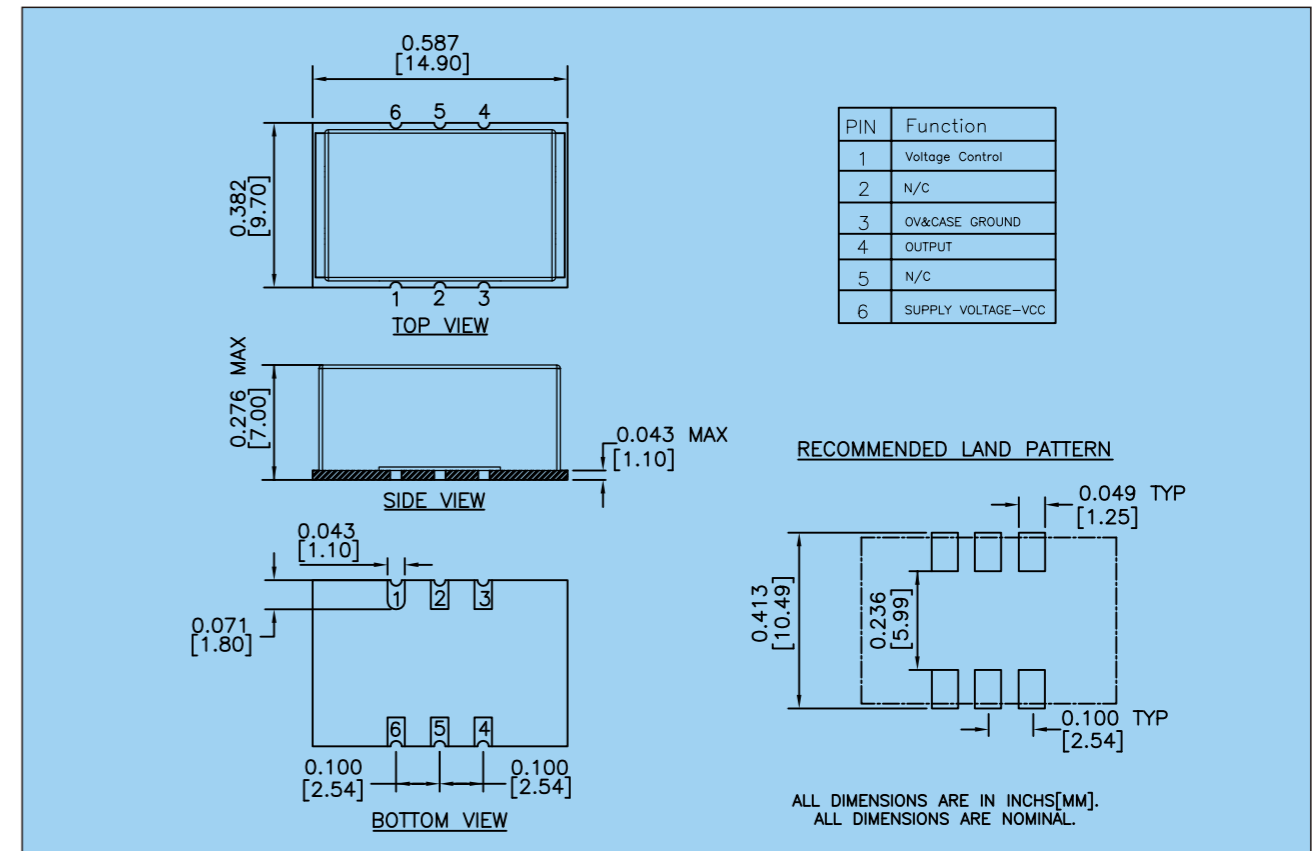
TYPICAL SPECIFICATIONS

TYPE	OCXO-1409
Frequency Range	2 ~ 40MHz
Standard Frequency	10, 12.8, 19.2, 20, 38.88, 40MHz
Frequency Accuracy	±0.2ppm (center control voltage)
Frequency Stability vs Temperature	See Table 1
Aging(SC cut)	±1ppb/day, ±100ppb/first year, ±500ppb/10 years
Short term stability	5x10 ⁻¹¹ /s(10MHz SC Cut)
Output Type and load Characteristics	LVCOMS
Frequency Stability vs load	±2ppb vs ±10% load change (10MHz SC)
Supply Voltage	+3.3VDC
Frequency Stability vs Voltage	±10ppb vs ±5% voltage change (10MHz SC)
Supply Consumption	2.5W(Max)When warm-up; 1.0W(Max)When static
Warm-up time(SC Cut)	±0.1ppm, < 3min
Control Voltage Range	0-3.3V
Slope	Positive
Linearity	±10%
Phase noise(10MHz) SC	10Hz -110dBc/Hz
	100Hz -135dBc/Hz
	1KHz -145dBc/Hz
	10KHz -150dBc/Hz
Storage Temperature Range	-40°C ~ +100°C

FREQUENCY STABILITY VS TEMPERATURE TABLE 1

Frequency Stability vs Temperature	Temperature Range
± 5ppb(SC Cut)	0°C ~ +50°C
± 10ppb(SC Cut)	-20°C ~ +70°C
± 20ppb(SC Cut)	-40°C ~ +85°C

OCXO-1409



SOLDERING REFLOW PROFILE

