Temperature Compensated Crystal Oscillator

(TCXO / VC-TCXO) Micro package

AXLE3225 , AXLE3225V



Features

- 13 to 26 MHz
- Low power consumption
- Supply voltage available bertween 2.7 to 5.0V
- Package : Metal lid + Ceramic base
- 3.2×2.5×1.2mm

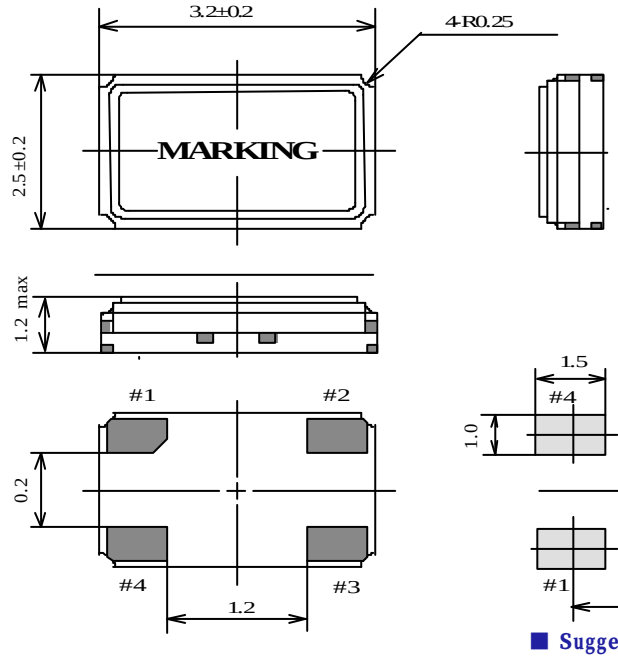
Electrical Performance

Description	Symbols	AXLE3225	AXLE3225V
Available Frequency Range	F0	**(optionally 6.500)** 13.000 ~ 26.000 MHz	
Frequency Stability vs.Operating Temperture (25°C ref.)	dFt/F	±2.0ppm, ±2.5ppm (-30 to +75°C)	
Storage Temperture	Tsto	-40 to +85°C	
Supply Voltage	Vcc	+2.7 to 5.0V	
Supply Current	Icc	2.0 mA max	
Supply Voltage Change	dFv	±0.2 ppm / Vcc±5%	
Output Voltage	Vo	0.8Vp-p (Clipped sine wave)	
Load	Zcr	10 KΩ//10pF	
Load Change	dFz	±0.2 ppm (10KΩ±10% // 10pF±10%)	
Voltage Control	dF/V	-	±8ppm,±10ppm,±15ppm/+1.5±1.0V
Phase Noise	PN	-135dBc / Hz typ.(1.0KHz)	

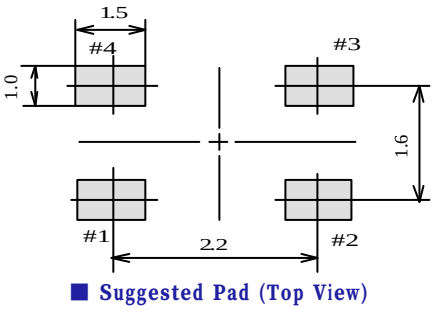
Environmental Characteristics

Description	Symbols	Specification
Aging (First Year)		±1.0 ppm max/year
Shock		Test: 3 times free drop onto concrete board from 150cm heigh Result: ±1.0 ppm max
Vibration		Test: Frequency 5-500Hz, Amplitude 1.5mm, Test time 4cycles/XYZ axis Result: ±1.0 ppm max
Solderability		Test: More than 95%, at 235±5°C for 3 sec
Humidity		Test: 90 to 95% relative humidity at +60±3°C for 1000 hours Result: ±1.0 ppm max

Outline Drawing & Suggested Pad



TERMINAL	CONECTION	
	TCXO	VCTCXO
#1	GND	Vcont
#2	GND	GND
#3	OUTPUT	OUTPUT
#4	Vcc	Vcc



■ Suggested Pad (Top View)

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