



Features and Benefits

- Surface mount package
- 4 pad 5x3.2x1.8mm
- Optional voltage control function
- RoHS Compliant
- Lead Free construction

Typical Applications

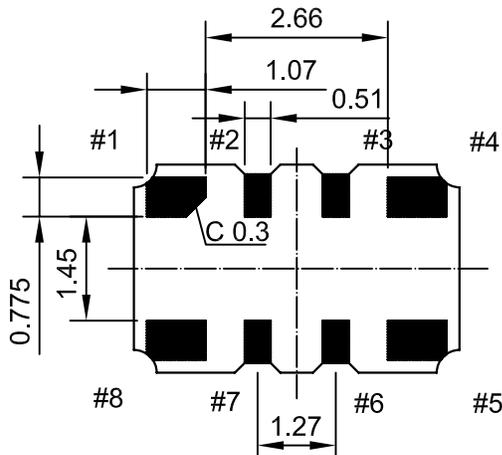
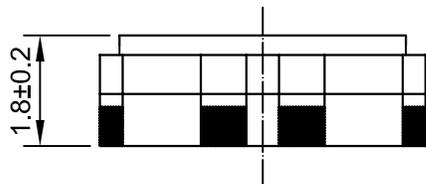
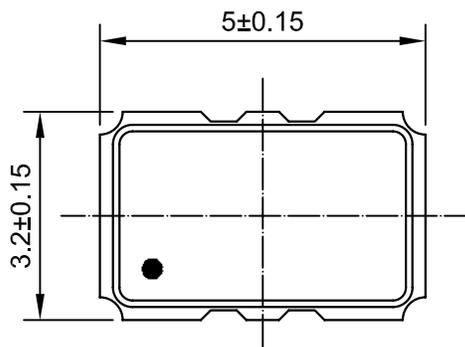
- UHF Synthesizers
- SATCOM System
- Portable Microwave Applications

Description

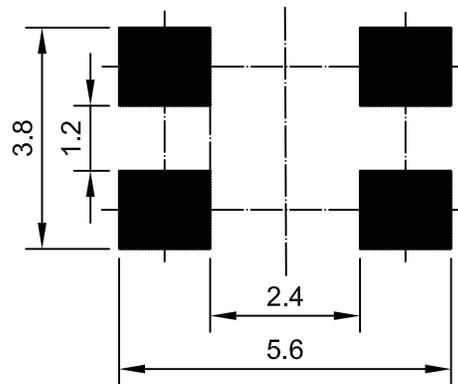
TCXO5300AP-31.3MHz-A-V offers wide temperature operation from -40°C to +85°C with outstanding frequency stability.

Mechanical Drawing & Pin Connections

Drawing No: MD150017-6



Land Pattern



Pin Function

#1	VC or NC
#4	GND
#5	Output
#8	Vdc

Do not connect: #2, #3, #6 & #7

Unit in mm

1mm=0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F _{nom}			31.3		MHz	
CMOS	Output Level		CMOS				
	Output Load			15		pF	
	Duty Cycle		40		60	%	
Power Supply							
Voltage	V _{cc}			3.3		V	
Current Consumption				3.3		mA	
Frequency Control*							
Control voltage range	V _c			1.65		V	
Tuning range			±3			ppm	Tuning Slope Positive
Frequency Stability							
Tolerance		@25C			±2	ppm	
Versus temp					±0.3	ppm	
Versus ±5% change in supply voltage					±0.3	ppm	
Versus ±10% change in load		Ref to frequency at nominal load			±0.3	ppm	
First Year Aging					±1.0	ppm	
Versus Reflow		1 reflow			±1.0	ppm	
Phase noise (typ.) @20MHz		1000 Hz			-135	dBc	
Environmental Conditions							
Storage temperature range		-40°C to 85°C					