



### Features and Benefits

- 100MHz Frequency
- 5V Supply voltage
- Sine wave Output
- ±0.5ppm Stability Vs -40C ---+85C
- 15x9x5mm SMD Size

### Typical Applications

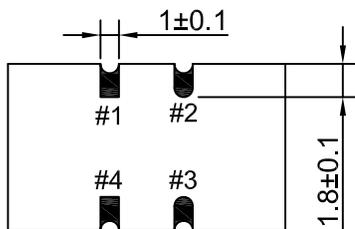
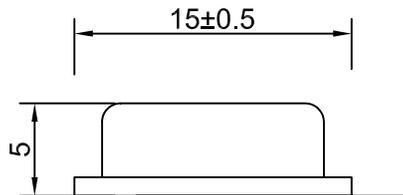
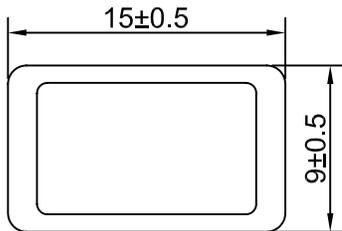
- Synthesizers
- SATCOM System
- Portable Applications

### Description

TCXO915AM-100MHz-A-V offers good frequency stability and low phase noise performance.

### Mechanical Drawing & Pin Connections

Drawing No: MD180018-1



#### Pin Connections

Pin	Symbol	Function
1	Vc	Control Voltage
2	GND	Ground
3	RF Out	RF Output
4	Vs	Supply Voltage

Unit in mm

1mm = 0.0394 inches



## Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F <sub>nom</sub>			100		MHz	
Output				Sine wave			
Load				50		ohm	
Harmonic					-30	dBc	
Output power			5	7	9	dBm	
<b>Power Supply</b>							
Voltage	V <sub>cc</sub>		4.75	5	5.25	V	
Current			15		30	mA	
Tuning voltage			0	1.5	3	V	
Pulling range			-5		+5	ppm	
<b>Frequency Stability</b>							
Versus temperature			.	±0.5		ppm	
Versus change in supply voltage					50	ppb	
Versus change in load					100	ppb	
First Year Aging					+1.0	ppm	
Phase noise		1000 Hz			-125	dBc/Hz	
<b>Environmental Conditions</b>							
Operating temperature range	-40°C to 85°C						
Storage temperature range	-55°C to 100°C						