


Helping Customers Innovate, Improve & Grow



Description

The TX-550 Series TCXO innovative manufacturing and the latest technology to provide extremely low phase noise and g-sensitivity. The assembly includes a dual crystal circuit to cancel opposing g-sensitivity vectors.

Features

- Low Phase Noise, Low g-Sensitivity
- Fully RoHS Compliant 
- Surface Mount, Low Profile
- High Shock Survival up to 20 Kg
- Frequency Range: 8 MHz to 100 MHz

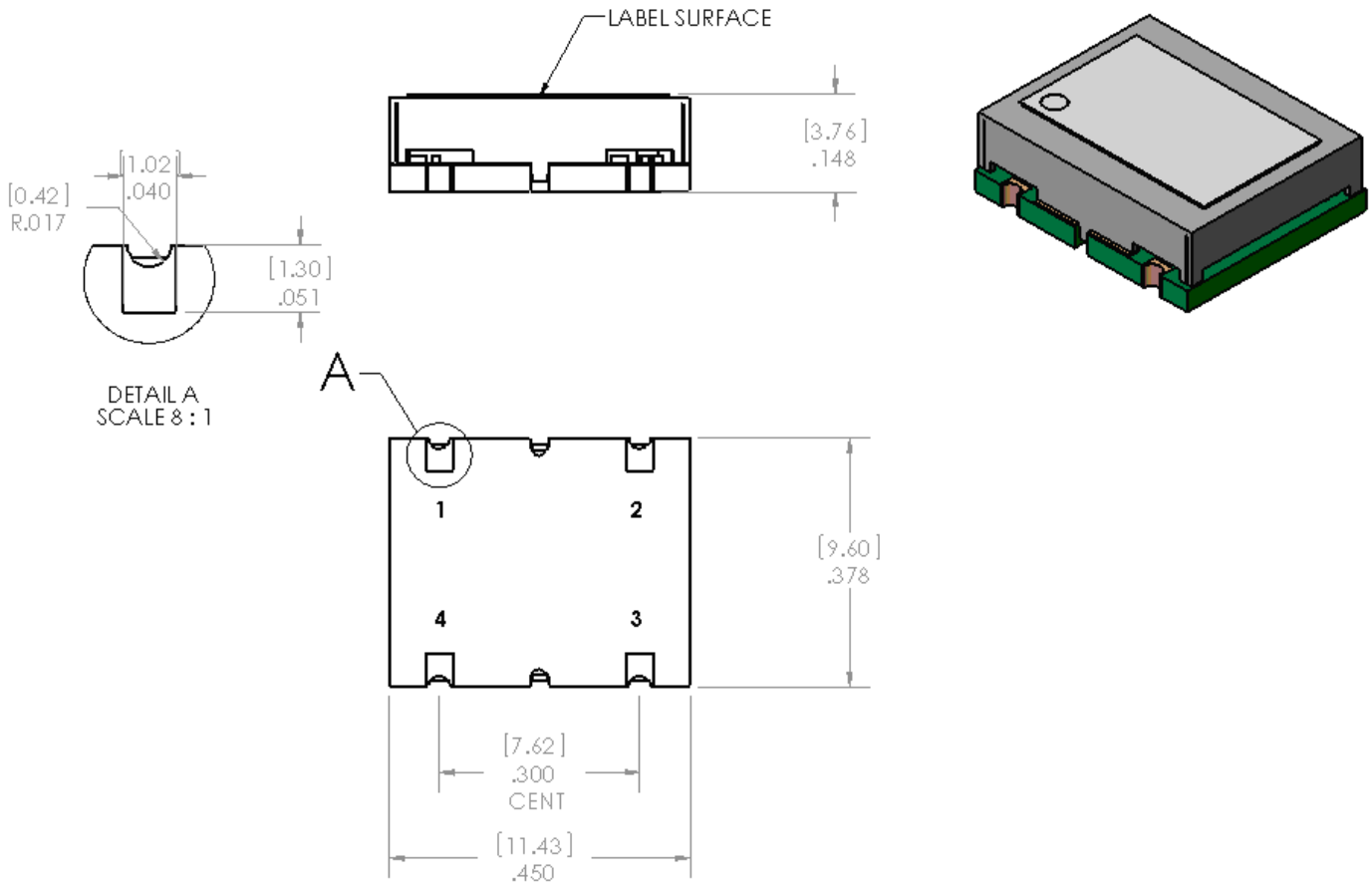
Applications

- Military Portable Radios
- GPS Telemetry
- Test and Measurement Equipment

Performance Specifications

Parameter	Min	Typ	Max	Units	Condition
Frequency Stabilities ¹					
vs. operating temperature range (referenced to +25°C)	-2.0		+2.0	ppm	-40... +85°C
	-1.0		+1.0	ppm	-40... +85°C
	-0.5		+0.5	ppm	-20... +70°C
	-0.28		+0.28	ppm	0... +50°C
Initial Tolerance	-1.0		+1.0	ppm	at time of shipment, nominal EFC Vs ± 5% Load ± 10% @ +40°C for 15 years
vs. supply voltage change	-0.1		+0.1	ppm	
vs. load change	-0.2		+0.2	ppm	
vs. aging / 1 year		±1		ppm	
vs. aging			4.0	ppm	
Supply Voltage (Vs)					
Supply voltage	4.75	5.0	5.25	VDC	
Supply voltage	3.135	3.3	3.465	VDC	
Supply voltage	2.7	2.8	2.9	VDC	
Current consumption			35	mA	Depends on frequency

Outline Drawing / Enclosure



PIN NUMBERS SHOWN FOR REFERENCE ONLY

Dimensions in inches (mm)

TX-550 Pin Connections	
1	Electronic Frequency Control (EFC)
2	Ground
3	RF Output
4	Supply