

Helping Customers Innovate, Improve & Grow




TX-321

Description

The TX-321 Series TCXO combines Vectrons lowest phase noise TCXO option with good g-sensitivity in a 23x18 mm package.

Features

- Low Phase Noise, Low g-sensitivity 0.2ppb/g
- Fully RoHS Compliant 
- Surface Mount, Low Profile
- Shock Survival up to 10k g
- Frequency Range: 5 MHz to 50 MHz
- Common Frequencies: 5, 10, 16.368, 20, 25, 32.736, 38.4, 40, & 50 MHz

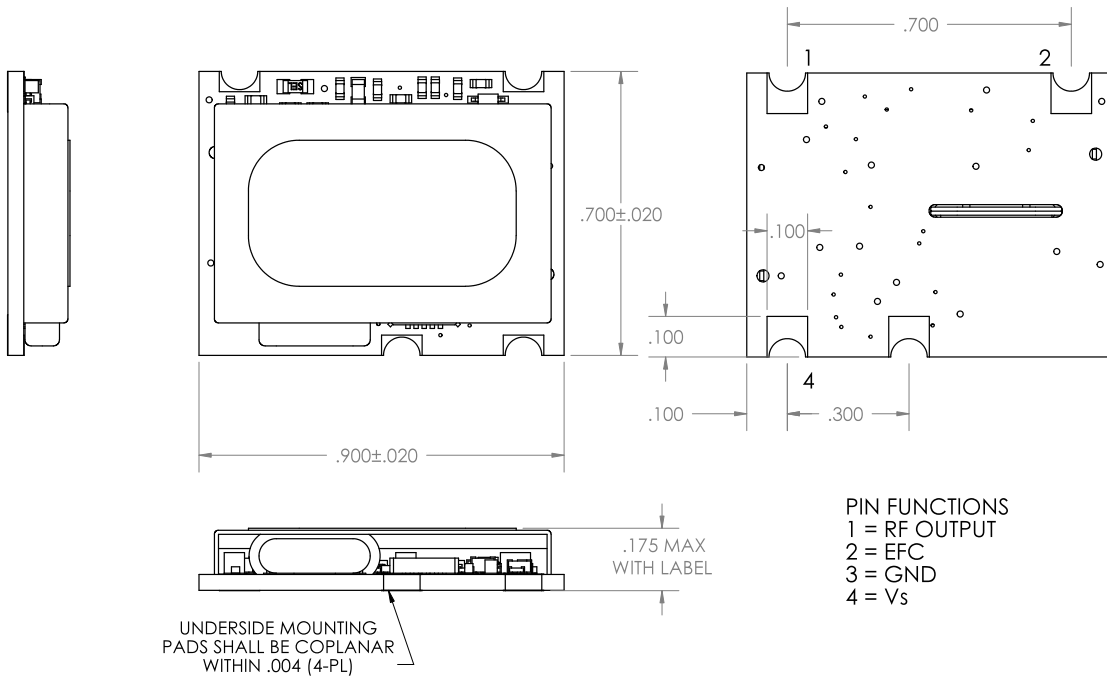
Applications

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

Performance Specifications^{1,2}

Parameter	Min	Typ	Max	Units	Condition
Frequency Stabilities¹					
vs. operating temperature range (referenced to +25°C)	-1.0		+1.0	ppm	-40... +85°C (for tighter stabilities contact factory)
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	-0.1		+0.1	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	
Current consumption			25	mA	Increases with output frequency

Outline Drawing / Enclosure



All dimensions in inches