

Features

9.6 MHz Operating Frequency
Better than +/- 0.6 PPM stability from -42C to70C
25.0mm X 15.0mm, Height: 5.5mm Max. SMD Package
Mechanical Frequency Adjust

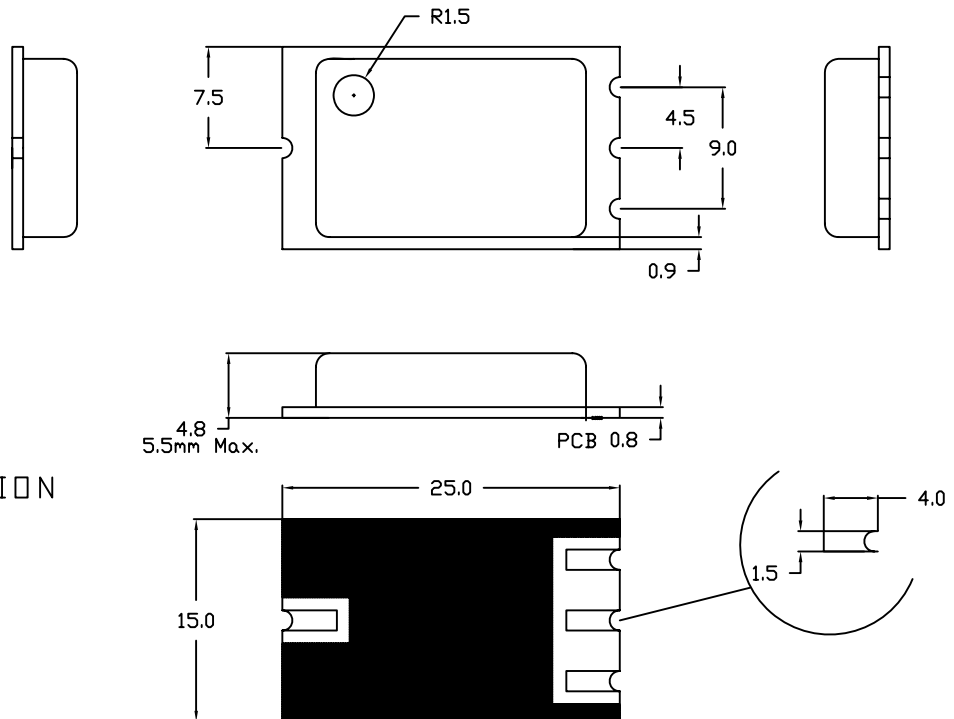
Typical Applications

Test Instrumentation
Microwave Communications
Mobile Radio

Description

The GSTX1219-9.6MHz-A platform is an integrated module design approach incorporating the latest temperature compensation technology onto a custom SMD package.

Mechanical Drawing and PIN Connections



Specification

TCXO Specification		Sym.	Condition	Value			Unit	Note	
				Min.	Typ.	Max.			
Operational Frequency Range		f ₀			9.6		MHz		
Sine Wave 50 ohm Load	Load			45	50	55	Ohm		
	Power Out			1.5		4.0	dBm		
	Harmonics					-30	dBc		
Power supply									
Voltage		V _{cc}		4.5	5.0	5.5	V		
Current consumption						8	mA		
Frequency stability									
vs. temperature			From -42C to 70C	- 0.6		+ 0.6	PPM		
Tolerance at 25C ;			24 hrs after REFLOW	- 1.0		+ 1.0	PPM		
First Year Aging									
First Year Aging			After 30 days operation	- 0.6		+ 0.6	PPM		
SSB Phase noise At 9.6 MHz sine wave			1KHz			-135	dBc/Hz		
			10KHz				dBc/Hz		
			100KHz					dBc/Hz	
			1MHz				-155	dBc/Hz	
Environmental									
Parameter		Reference Std.			Test Condition				
Vibration Test		MIL-STD-883 2007 Condition A JESD22-B103 Condition 1			10~2000Hz, 1.52mm, 20G, each axis for 4 hrs				
Thermal Shock		MIL-STD-883 1010 Condition B JESD22-A104 Condition B			-55°C, 125°C; soak time is 10 mins, with total 200 cycles				
Mechanical Shock		MIL-STD-883 2002 Condition B JESD22-B104 Condition B			1500G, half-sine, 0.5ms, each axis for 3 times.				
Storage temperature					-55°C to +85 °C				