GSTX1211-22MHz-A
11.4 x 9.6 x 5.0 mm SMD Low Noise TCXO

Features

Stability: ±2.5 ppm over - 40°C to +85°C
Low Phase Noise : -140dBc/Hz typ. at 1KHz
Rugged SMD Package

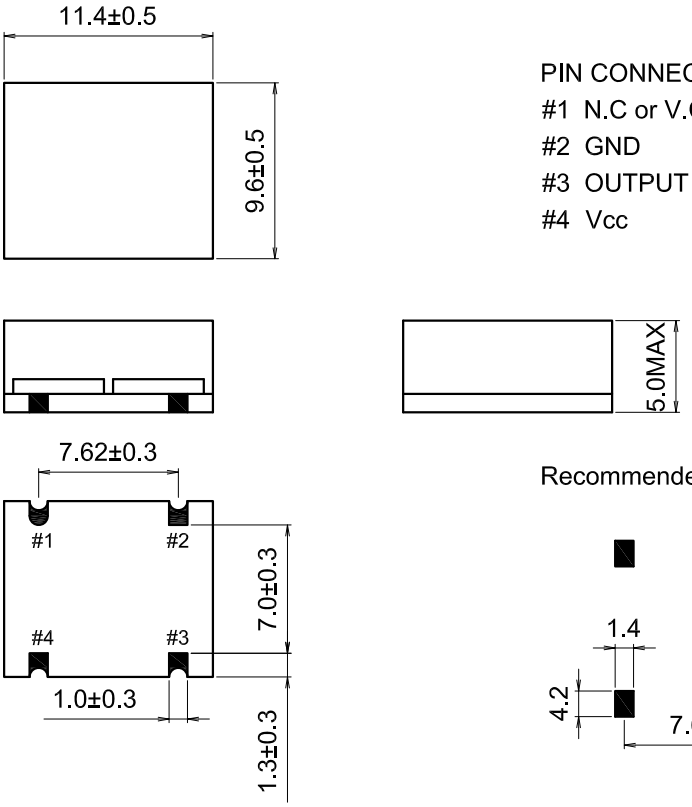
Typical Applications

Land Mobile Radio
Microwave Communications

Description

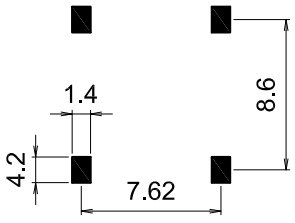
Low Phase Noise 22 MHz Clock TCXO with thermistor compensation.

Mechanical Drawing and PIN Connections



PIN CONNECTION
#1 N.C or V.C
#2 GND
#3 OUTPUT
#4 Vcc

Recommended Soldering Pattern



Specification

#	TCXO Specification	Sym.	Condition	Value			Unit	Included in the test data
				Min.	Typ.	Max.		
1.1	**Nominal Frequency**	F_0			22.000000		MHz	
1.2	Tol. (after reflow + 24 hrs)		+25 C +/- 5 C	-1.0		+1.0	ppm	
	RF output							
2.1	Wave form				HCMOS			
2.2	Rise and Fall Time					6.0	ns	
2.3	Duty Cycle			40		60	%	
2.4	Load				15		pF	
	Power supply							
4.1	Voltage	Vcc			3.0		V	
4.2								
4.3	DC Current					20	mA	
	Frequency stability							
5.1	vs. temperature		from -40 C to 85 C	-2.500		+2.500	ppm	
5.2								
6	**Aging** per year		after 30 days of operation at time of shipment			+/- 1.0	ppm	
7.1	**SSB Phase Noise**		at 1 Hz offset				dBc/Hz	
			at 10 Hz offset					
			at 100 Hz offset					
			at 1 kHz offset		-140			
			at 10 kHz offset					
7.2								

Maximum ratings, environmental, mechanical conditions.

Operating temperature range	-40 C to +85 C
Storage temperature range	-60 C to +90 C