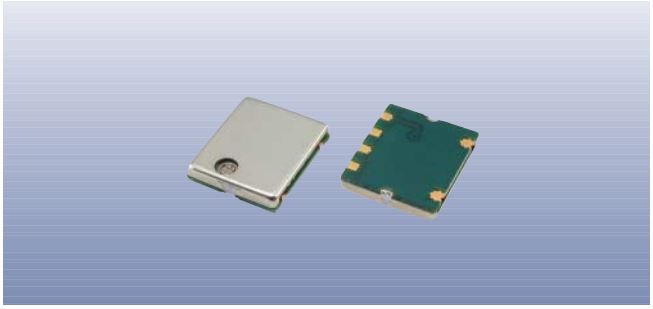
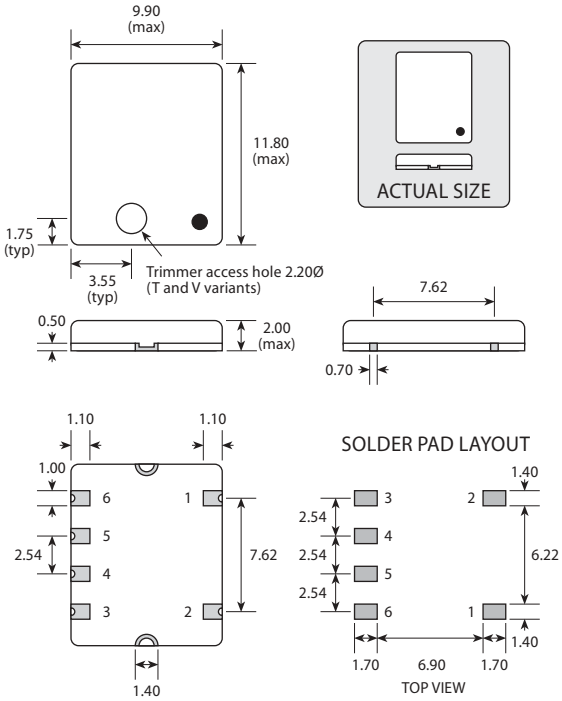
3V & 5V Clipped Sine SM TCXO

GTXO-566





CONNECTION		
PAD	Variant T	Variants V & N
1	Ground	Ground
2	Ground	Ground
3	Output	Output
4	Ground	Ground
5	Not connected	Freq adjustment
6	Supply	Supply

Scale 2:1

Features

- **3.0V to 5.0V supply, low power consumption**
- **Stabilities down to ±1.0ppm**
- **Industrial temperature range option**

Ordering Information

Product name + variant + option codes (if any) + frequency

eg: **GTXO-566V 13.0MHz** ±2.5ppm -30+75°C, 3V supply (standard)

GTXO-566V/GP 13.0MHz ±1.5ppm -20+70°C, 5V supply

Option code X (eg GTXO-566V/X) denotes a custom spec.

- Available on T&R - 2k pcs per reel.
- Refer to our website for T&R and soldering details.
- Trimmer tool available. Ask for our part number MA06805.

Specifications

GTXO-566T: Internal trimmer

GTXO-566V: Voltage adjustment + internal trimmer

GTXO-566N: Voltage adjustment, no trimmer

Parameters	Variant T	Variant V	Variant N	Option Codes
Package style: with trimmer	■	■		
without trimmer			■	
Frequency range: 10.0 ~ 40.0MHz	■	■	■	
Frequency stability:				
±2.5ppm over -40 to +85°C	□	□	□	K
±2.5ppm over -30 to +75°C	■	■	■	
±2.0ppm over -30 to +75°C	□	□	□	H
±1.5ppm over -20 to +70°C	□	□	□	G
±1.0ppm over -20 to +70°C	□	□	□	F
Storage temperature range: -40 to +85°C	■	■	■	
Frequency vs supply voltage:				
±0.3ppm (<22.0MHz)	■	■	■	
±0.5ppm (<28.0MHz)	■	■	■	
±1.0ppm (<40.0MHz)	■	■	■	
Frequency vs load change: ±0.3ppm (10kΩ±10%//10pF±10%)	■	■	■	
Ageing (1st yr): ±1.0ppm (<22.0MHz)	■	■	■	
±1.5ppm (<28.0MHz)	■	■	■	
±2.0ppm (<40.0MHz)	■	■	■	
Supply voltage (V_{DD}): +3.0V (±5%)	■	■	■	
+3.3V (±5%)	□	□	□	M
+5.0V (±5%)	□	□	□	P
Supply current:				
2.0mA max (<22.0MHz)	■	■	■	
3.0mA max (<28.0MHz)	■	■	■	
4.0mA max (<40.0MHz)	■	■	■	
Output waveform: Clipped sine, 0.8V p-p typ	■	■	■	
Test load: 10kΩ // 10pF	■	■	■	
Frequency adjustment:				
±3ppm min by internal trimmer	■	■		
±5.0 ~ ±10.0ppm		■		
±8.0 ~ ±14.0ppm			■	
Control voltage range:				
+1.5V ±1.0V (3.0V supply)		■	■	
+1.65V ±1.35V (3.3V supply)		□	□	
+2.5V ±2.0V (5.0V supply)		□	□	
Preset frequency:				
±0.5ppm / +25°C ±2°C	■	■		
±2.0ppm / +25°C ±2°C			■	

■ Standard. □ Optional - Please specify required code(s) when ordering

Standard Frequencies

Frequencies in MHz			
10.00000	13.00000	15.36000	19.20000
12.80000	14.40000	16.00000	20.00000

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