

Product Description

Description: 32.0MHz GTXO-163T/ES SM TCXO
 Product family: GTXO-163
 Category: SM TCXO
 Order code: MP11443

Features

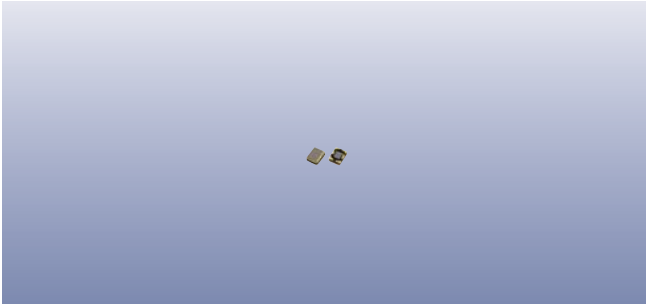
- ▶ Ideally suited for wireless communications
- ▶ Ultra miniature SM package
- ▶ Excellent frequency stability

Additional Information

For dimensions, refer to package drawing: **D0367-A**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	32.0MHz	
Frequency tolerance:	±1.0ppm max	@25°C ±3°C as received wrt nominal freq
Frequency deviation:	±1.0ppm max	@25°C ±3°C after 2 x reflow wrt pre-flow freq
Supply voltage stability:	±0.2ppm	±5%
Load stability	±0.2ppm	±10%
Temperature stability	±0.5ppm max	Wrt the mid point between min & max freq value
Operating temperature range:	-30 to +85°C	
Storage temperature range:	-40 to +85°C	
Supply voltage:	+3.3V	±5%
Supply current:	2.0mA max	
Output waveform:	Clipped sine	0.8V _{p-p}
Test load:	10kΩ // 10pF	
Start up time:	2.0ms max	
Harmonics:	-5dBc max	
Ageing:	±1.0ppm max	First year
SSB phase noise:	-130dBc/Hz @1kHz	



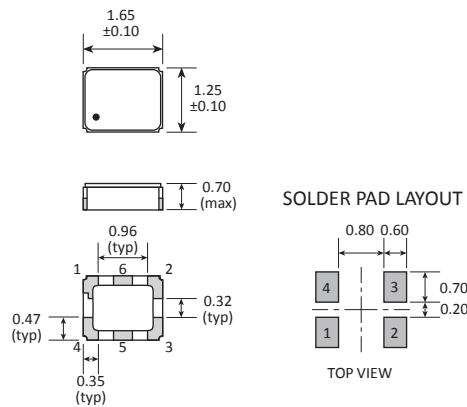
Product Family

GTXO-163T

Construction

- ▮▮▮▮ Ceramic body with gold-plated pads
- ▮▮▮▮ Metal lid, seam sealed

Dimensions (mm)



PAD	CONNECTION
1	Ground
2	Ground
3	Output
4	Supply
5	Not connected
6	Not connected