

TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR

TCXO
SBTO 32

SBTO-32

- AT cut & Fundamental mode
- High stability & compact design
- Sine wave output

APPLICATION

- Repeater
- Measurement system
- Electronic equipment

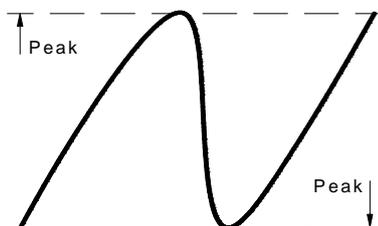
ELECTRICAL CHARACTERISTICS

Frequency	12.800000MHz
Frequency stability	
Temperature range	-30°C to +80 °C
vs. temperature stability	±2.5ppm max.
vs. long term stability	±1ppm max. / per year at 25°C after 30 days operation
vs. Input voltage	±0.1ppm max.
Supply voltage	+5V±5%
Power consumption	
During warm-up	N/A
Steady state	≤ 2mA max.
RF output	
Signal waveform	Clipped Sine wave
Level	1.0V peak to peak typical, 0.8V min.
Load	10KΩ//10pF
Sub harmonics	N/A.
Spurious	-70dBc
Start-up time	5mS max.
Duty ratio	N/A
Rise & Fall time	N/A
Output frequency control	
Voltage range	N/A
Transfer slope	N/A
Tuning range	±5ppm minimum (Internal trimmer)
Linearity	N/A
Phase noise	N/A

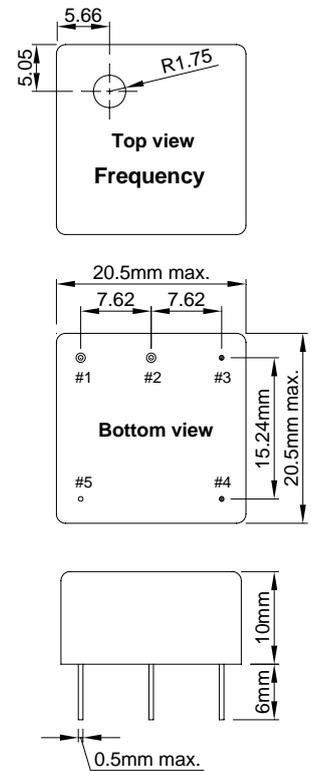
ENVIRONMENTAL & MECHANICAL

Storage temperature range	-55 °C to 105 °C
Mechanical shock	MIL-STD-202, 30G, 11mS
Vibration	MIL-STD-202, 5G to 500Hz
Soldering conditions	260 °C for 10sec. max. SMD profile

WAVE FORM



DIMENSION



PIN	FUNCTION
#1	Vcc
#2	RF output
#3	GND
#4	GND
#5	GND

ORDERING GUIDE

Part number	Frequency (MHz)	Stability (PPM)	Temperature range(°C)	Supply voltage (Volt)	Others
SBTO-30-	NUMERAL -	NUMERAL -	(-)NUMERAL~ NUMERAL -	NUMERAL -	For more details
<Example>: SBTO32 - 12.800 - 2.5 - (-)30~80 - 5 - More detailed information, specifications or request					

* Specifications subjects to change without notice. Further frequencies, specifications and dimensions upon request possible.

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