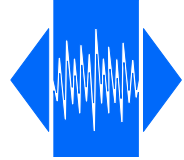


# TXE-205S

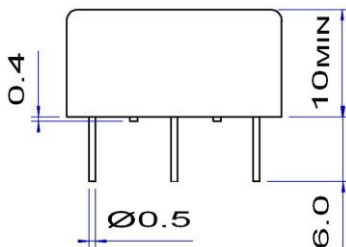
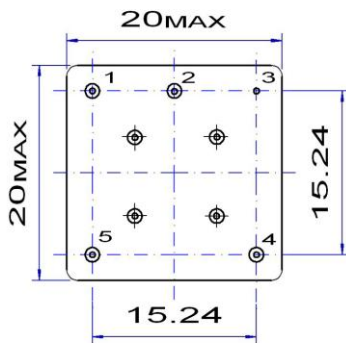
Through hole TCXO  
Sine wave



## Features

- Applications: mobile communications, instrumentation
- Frequency range up to 500 MHz
- Tight frequency stability vs. temperature
- Low phase noise

Parameter	Specification	
	TXE-205S3	TXE-205S5
Frequency range	9.6 ~ 500 MHz	
Standard frequencies	10.00, 12.80, 13.00, 16.384, 20.00, 25.00, 38.40 40.00 & 100.0MHz	
Frequency stability:		
vs. temperature	$\leq \pm 0.5 \sim \pm 2.5$ ppm	
vs. supply & load change	$\leq \pm 0.2$ ppm	$\pm 5$ %
vs. aging	$\leq \pm 1.0$ ppm	1 <sup>st</sup> year
Frequency tolerance ex. factory	$\leq \pm 0.5$ ppm	@ +25 °C
Supply voltage	+3.3 V $\pm 5$ %	+5.0 V $\pm 5$ %
Supply current	3 ~ 50 mA	
Output signal	sine wave	
Output level	3 dBm $\pm 3$ dBm	9 dBm $\pm 2$ dBm
Output load	50 $\Omega$	
Frequency adjustment (optional)	$> \pm 5$ ppm	with internal trimmer
Operating temperature range	-30 ~ +75 °C	commercial application
	-40 ~ +85 °C	industrial application
Storage temperature range	-55 ~ +125 °C	
Packaging unit	cardboard box	50 pieces
Customer specifications on request		



## Pin function

- # 1 GND or NC
- # 2 RF Output
- # 3 Vdc Supply
- # 4 GND
- # 5 GND



## Other configuration on request

### Phase noise

@ 20 MHz carrier frequency	-105 dBc/Hz	@	10 Hz
	-135 dBc/Hz	@	100 Hz
	-148 dBc/Hz	@	1 kHz
	-155 dBc/Hz	@	10 kHz
	-158 dBc/Hz	@	100 kHz

## Environmental & Mechanical specification

Shock	MIL-STD-883C, Method 2002, Con B
Vibration	MIL-STD-883C, Method 2007, Con A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 2014, Con C&A2