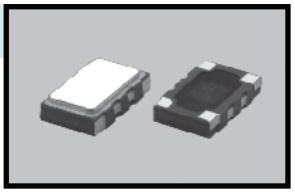
Quartz Crystal Technology

VC/TCXO (**Clipped Sinus, CMOS**)

TX5032



General Description
Compact size VC/TCXO for wireless and telecomm. applications

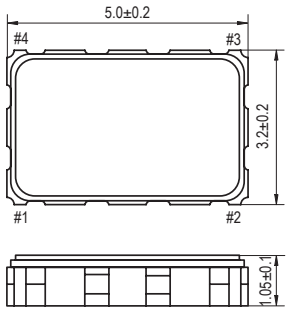
Features
Standard stability ± 2.5ppm
Wide temp. range

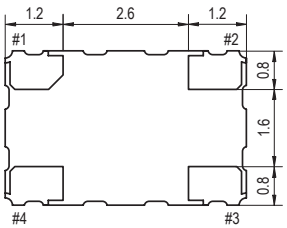
Main applications
Telecomm, Wireless,

Electrical characteristics

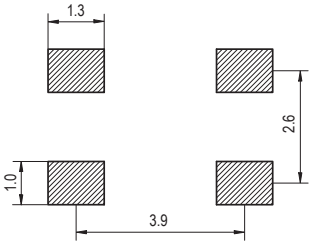
Item		Values		
Part number		TX5032S	TX5032SV	TX5032C
Output Waveform		Clipped Sinus		CMOS
Frequency range		6 - 45 MHz		4 - 54MHz
Supply voltage		+2.8V , +3.0V , +3.3V , +5.0V		+1.8V , +2.5V , +2.8V , +3.3V
Control Voltage		-	+1.5V ±1.0V	-
Initial frequency tolerance @ +25°C		<±0.5ppm (Vcontrol = +1.5V)		-
Frequency stability	vs temp. vs Vdd vs Load	<±2.5ppm max over -30/+75° <±0.2ppm @ Vdd ±5% <±0.2ppm @ 10kΩ//10pF ±10%		
Aging		<±1.0ppm / year @ +25°C		
Operating temp. range		-30°C / +75°C, option -40°C / +85°C		
Storage temp. range		-40°C / +85°C		
Current consumption		2.5mA mA		7mA max
Output		0.8Vp-p min.		10%Vdd - 90% Vdd
Output load		10kΩ // 10pF		15pF max
Frequency adjsutment		-	>±8ppm	-
Slope		-	positive	-
Start up time		10ms max		
SSB Phase noise		-135dBc/Hz typ. @ 1KHz offset		-145dBc/Hz typ. @ 1KHz offset
Short term stability		±1ppb max (allan variance tau=1s)		±1ppb max (allan variance tau=1s)

Dimensions





PIN	CONNECTION	
	TCXO	VC- TCXO
	SXO-5200	SXO-5200V
1	GND	Vcontrol
2	GND	
3	OUTPUT	
4	V_{DD}	



Remark : specifications subject to change without prior notice. Please confirm with our sales

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VC/TCXO (**Clipped Sinus, CMOS**)

TX5032

Part Number Generator

TX5032S	A	15	A	S	T	-	010.000000	xxx
0	1	2	3	4	5		6	7

0 : Type

TX5032S
TX5032SV
TX5032C

1 : Vcc

F =+1.8V
E = +2.5V
A = +2.8V
B = +3.0V
C = +3.3V
D = +5.0V

2 : Stability in temperature

25 < 2.5ppm

3 Op. temp. range

B = -30/+75
A=-40/+85

4 : Output

S = Clipped sinus
C = CMOS

5 : Pulling range

T = TCXO
8 > ±8.0ppm

6 : Frequency (MHz)

□□□.□□□□□□
max 10 digits including comma

7 : Customized code

Note : factory use