



Static sensitive device

Current part - Recommended for new designs

Op. Temp Range	Frequency Stability (PPM)
-30°C to +75°C	±2.5PPM

Storage Temp.	-55°C to +125°C
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Supply Voltage	Option Code
+5.0V DC	0
+3.0V DC	3
+2.8V DC	28
+2.5V DC	25

Marking & Specification Code Format

Type	Voltage Code	Temp Range/Stability Options	WWYY
SV***	0, 3,28,25	See table above	1611

Parameter	Condition	Value		
Available Frequency Range	Package Type	7x5mm	5x3mm	3x2mm
		10.00 - 26.00MHz	6.00 - 45.00MHz	8.00 - 45.00MHz
Frequency Stability	vs Temperature	± 2.5PPM Max.		
	vs Ageing	±1PPM (1st Year)		
	vs Voltage Change	±0.2PPM for ±5% Voltage change		
	vs Load Change	±0.2PPM for ±10% load change		
	vs Reflow	±1PPM after 1 reflow measured after 24hours		
Output Voltage	Peak to Peak	0.8V p-p Min.		
Input Current	< 20.00MHz	2.5mA Max.	1.5mA Max.	1.5mA Max.
	20.00 - 32.00MHz		2.0mA Max.	2.0mA Max.
	32.00 - 45.00 MHz	NA	2.5mA Max.	2.5mA Max.
Voltage Control (VC-TCXO Only)	Control Voltage	1.5V ±1.0V DC		
	Frequency Pulling Range	±8.0PPM Min.		
Output Waveform		Clipped Sine		
Output Load		10KΩ//10pF		
Phase Noise	Measured at 1kHz	-135dbc/Hz Typ.		
Ageing	per Year at 25°C	±1PPM Max.		

Dimensions (mm)

SVT430-Series VC-TCXO
ST430-Series TCXO

SVT600-Series VC-TCXO
ST600-Series TCXO

SV/300-Series VC-TCXO
ST300-Series TCXO