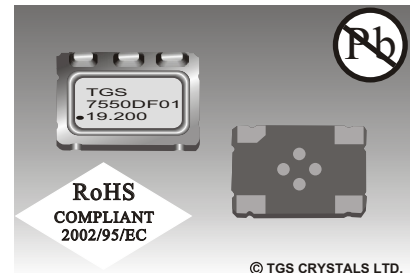


FEATURES

- Stable Frequency Stability over Temperature
- SMD Size 7.0X5.0X1.8mm ● Low Phase Noise & Low Power Supply

APPLICATIONS

- For GSM & CDMA Mobile



SPECIFICATION \*

Parameters	Product	Option Code
	SM VCTCXO	VTM
Frequency Range: 10.0MHz ~27.0MHz	△	Specify
Dimensions: 7.0X5.0X1.8mm	△	75
Supply Voltage(V <sub>DD</sub> ): 3.3V 5.0V	△ △	30 50
Frequency Stability: ±1.0ppm ±1.5ppm ±2.0ppm ±2.5ppm	△ △ △ ▲	A B C D
Operating Temp. Range: -10℃~+60℃ -30℃~+75℃ -40℃~+85℃	△ ▲ △	E F G
Storage Temp. Range: -40℃~+85℃	▲	
Supply Current: 25mA Max.	▲	
Frequency Vs Supply Voltage: ±0.2ppmMax.vs V <sub>DD</sub> ±5%	▲	
Frequency Vs Load: ±0.2ppmMax. at R=10KΩ ±10% C=10pF ±10%	▲	
AFC Controlled Frequency Range: ±10ppm Max.	▲	
Control Voltage: 0.5~2.5V	▲	
Output Wave Form: Clipped Sine Wave	▲	
Output Level: 1.5Vp-p Max. R=10KΩ//C=10pF	▲	
Load: 10pF//10K Ω	▲	
Starting up Time: 35mS Max.	▲	
Phase Noise: 10Hz,-90dBc/Hz 1KHz,-135dBc/Hz	▲ ▲	
Aging: ±1ppm Max.	▲	
Package: Tape/Reel	△	T

▲ Standard \* Specifications Subject to Change Without Notice  
△ Optional: please specify required code when inquiring or ordering

PACKAGE

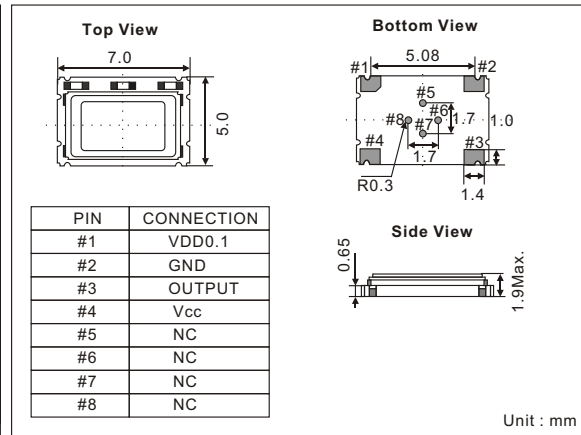
- Standard package inT/R: 1000pcs/Reel 2Reel/Box, 5Box/Carton  
See page 121 for detail dimensions

PARTNUMBER GUIDE

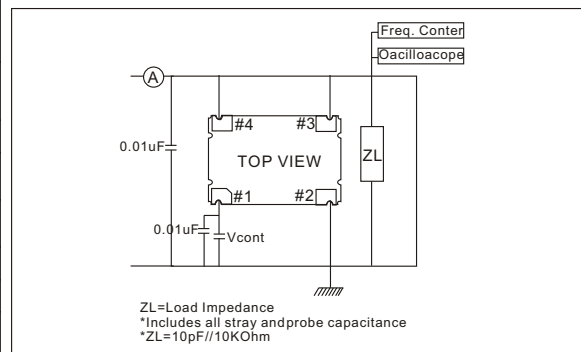
TGS	VT	M	75	50	D	F	-19M200
Mark	VC TCXO	SMD Type	Dimension	Supply Voltage	Freq. Stability	Operating Temp. Range	Frequency Range

e.g. Full P/N.: TGS VTM 7550DF-19M200

DIMENSIONS



TEST CIRCUIT



SOLDER REFLOW PROFILE

