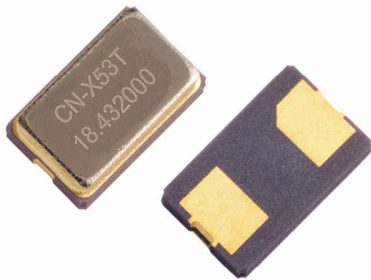


X53T

Description:



- Ultra-Miniature Size
- Highly Precise
- Ceramic Package
- Tape and Reel
- Reflow Soldering
- Mobile Communications Applications
- GSM
- PDC
- CDMA
- PHS

Performance Characteristics

Parameter		X53T
Frequency Range	F ₀	12.000MHz~39.000MHz
Mode of Vibration Mode		Fundamental Overtone
Resonance Resistance	R _r	40Ω Max
Frequency Tolerance (at 25°C)		±5×10 ⁻⁶ ~±30×10 ⁻⁶
Storage Temperature Range	T _{STG}	-55°C~+125°C
Shunt Capacitance	C ₀	7pF Max
Load Capacitance	CL	8pF~50pF or Series
Insulation Resistance	IR	>500MΩ DC/100V±10V
Drive Level	DL	0.01mW~0.1mW
Aging	Fa	±3×10 ⁻⁶ ~±5×10 ⁻⁶ /year

Frequency Stability Over Temperature Range

Temperature Range	Frequency Stability				
	O:±10×10 ⁻⁶	P:±15×10 ⁻⁶	Q:±20×10 ⁻⁶	S:±30×10 ⁻⁶	T:±50×10 ⁻⁶
A:0°C~+50°C	●	●	●	●	●
B:-10°C~+60°C	●	●	●	●	●
C:-20°C~+70°C		●	●	●	●
G:-40°C~+85°C			●	●	●

Outline Drawing (mm)

