

CRYSTAL UNITS

For OA•AV•Bluetooth **NEW**

SURFACE MOUNT TYPE CRYSTAL UNITS / NX2520SA

This is ultra small surface mount type crystal unit.
This crystal unit can meet requirements starting from a low frequency 16MHz.



Features

- Ultra compact, thin and light weight (2.5×2.0×0.5 mm typ., 11mg typ.).
- Excellent heat resistance and environmental characteristics.
- Excellent electric performance optimum for OA (office automation), AV (audio & visual) and Bluetooth applications are exhibited.
- Products are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.

Specification

Item	Type	NX2520SA	
Application		For Audio & Visual/Office Automation	For Bluetooth
Frequency Range		16 ~ 80 MHz	
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		± 15 ~ 100 × 10 ⁻⁶	± 10 × 10 ⁻⁶
Temperature Characteristics (in reference to +25°C)		± 15 ~ 50 × 10 ⁻⁶	± 10 ~ 15 × 10 ⁻⁶
Operating Temperature Range		- 10 ~ + 75°C	- 10 ~ + 60°C
Equivalent Series Resistance		16 ~ 20 MHz : 80 Ω max, 20 ~ 30 MHz : 70 Ω max, 30 ~ 80 MHz : 50 Ω max	
Drive Level		50 μW (200 μW max)	10 μW (100 μW max)
Standard Load Capacitance		8 pF	10 pF
Operable Temperature Range		- 40 ~ + 85°C	

Typical Frequency (MHz)

AV/OA	16.0	18.0	20.0	22.0	22.5792	24.0	24.5454
	24.576	25.0	26.0	27.0	28.63636	30.0	32.0
	36.0	40.0	44.0	48.0	54.0	74.1	80.0
Bluetooth	16.0	20.0	24.0	26.0	32.0		

Dimensions

