

**NEW**

## TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS NT2520S SERIES

### Model NT2520SA

#### Specification

Item	Model	NT2520SA
Standard Nominal Frequency (MHz)		13, 19.2, 26
Supply Voltage		+2.8V DC
Load		10kΩ//10pF
Current Consumption		1.5mA max
Output Voltage		0.8V (P-P) min (DC coupling *1)
Frequency Stability		±2.5×10 <sup>-6</sup> max
		-30~+75°C
Supply Volt Change		±0.3×10 <sup>-6</sup> max/+2.8V±5%
Aging		±1.0×10 <sup>-6</sup> max/year
AFC Charact.		±9×10 <sup>-6</sup> ~±15×10 <sup>-6</sup> /+1.4V±1V *2

Note: Frequency adjustment condition

(1) Adjustment is conducted in room temperature (+25±2°C).

(2) For adjustment, oscillator is placed on the printed board which has earth pattern.

If you need NON-standing spec. for frequency, Supply Voltage & AFC charact etc, please contact us.

\*1 DC-cut capacitor of output is not put in VC-TCXO. Please add DC-cut capacitor (1,000pF) in oscillators output line.

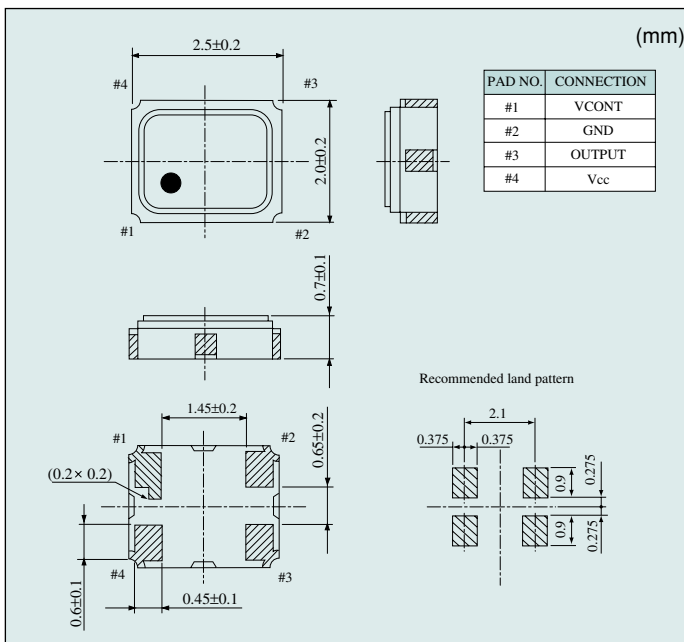
\*2 It is a typical specification. According to the frequency, there is possibility that the specification changes.

■ Main applications: Mobilephone

- Features
- Low power supply voltage. (Power supply voltage: +2.4V DC ±0.1V min)
  - Height 0.8mm max, volume 0.0035cm<sup>3</sup>, weight 0.013g (light & small)
  - This is “with AFC” version
  - Surface mount type  
(This is applicable to reflow soldering)
  - Products are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.
  - Low power consumption



#### Dimensions

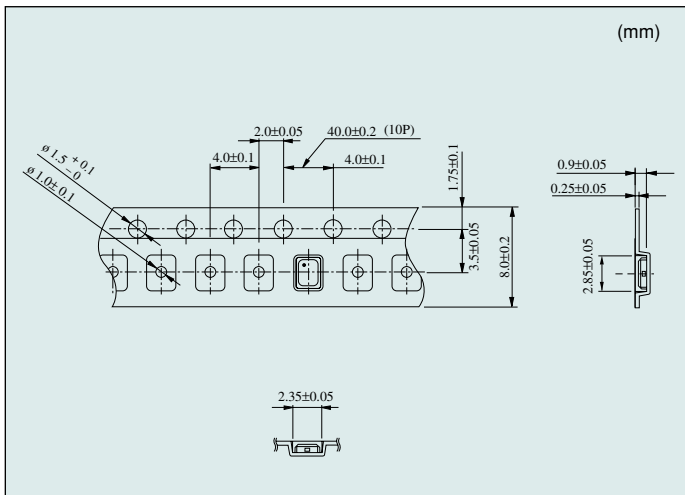


# CRYSTAL OSCILLATORS

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- Taping package below is standard for NT2520S series.
- 2,000 pieces/reel are boxed and shipped with the taping method as shown above.
- Tray packaging is applied to the delivery of small number products or samples.

### ■ Tape



### ■ Real

