

# TTS12NS/VS

## Temperature Compensated Crystal Oscillator(TCXO)

### ■Feature

Reflow solderable,Ceramic SMD package base offers superior flatness.

Ultra-compact (7.0×5.0),lowest height,light weight,and low

Current consumption type.

Suitable for Cell phone or mobile radio application.

Now printing

### ■Specifications

Size	7.0 × 5.0 × 2.0 (mm)	
Model Name	TTS12NS	TTS12VS
Output Frequency	12.60 ~ 20.0 (MHz)	
Supply Voltage	3.0 ± 5% (V)	
Supply Current	2.0 max. (mA)	
Output Level	0.8 min. (Vp-p)	
Load	10 (kΩ) // 10 (pF) ± 10%	
Frequency Stability	Table 1	
	-40 ~ 85 (°C)	
Voltage Controlled Range	—	±5 ~ ±15 (ppm):VC=1.5V±1.0V at Vcc=3.0V

■Table 1 Frequency Stability

	Frequency Stability
Temperature Range (-20 ~ 75 °C )	± 2.5 (ppm)
Supply Voltage (3.0 V ± 5%)	± 0.2(ppm)
Load(10kΩ // 10pF ±5%)	± 0.3 (ppm)
Initial Frequency Tolerance (at 25 ± 2 °C)	± 0.5 (ppm)
Aging(year)	± 1.0 (ppm)

\* Products with specific requirements are available upon request.

### ■Outline

