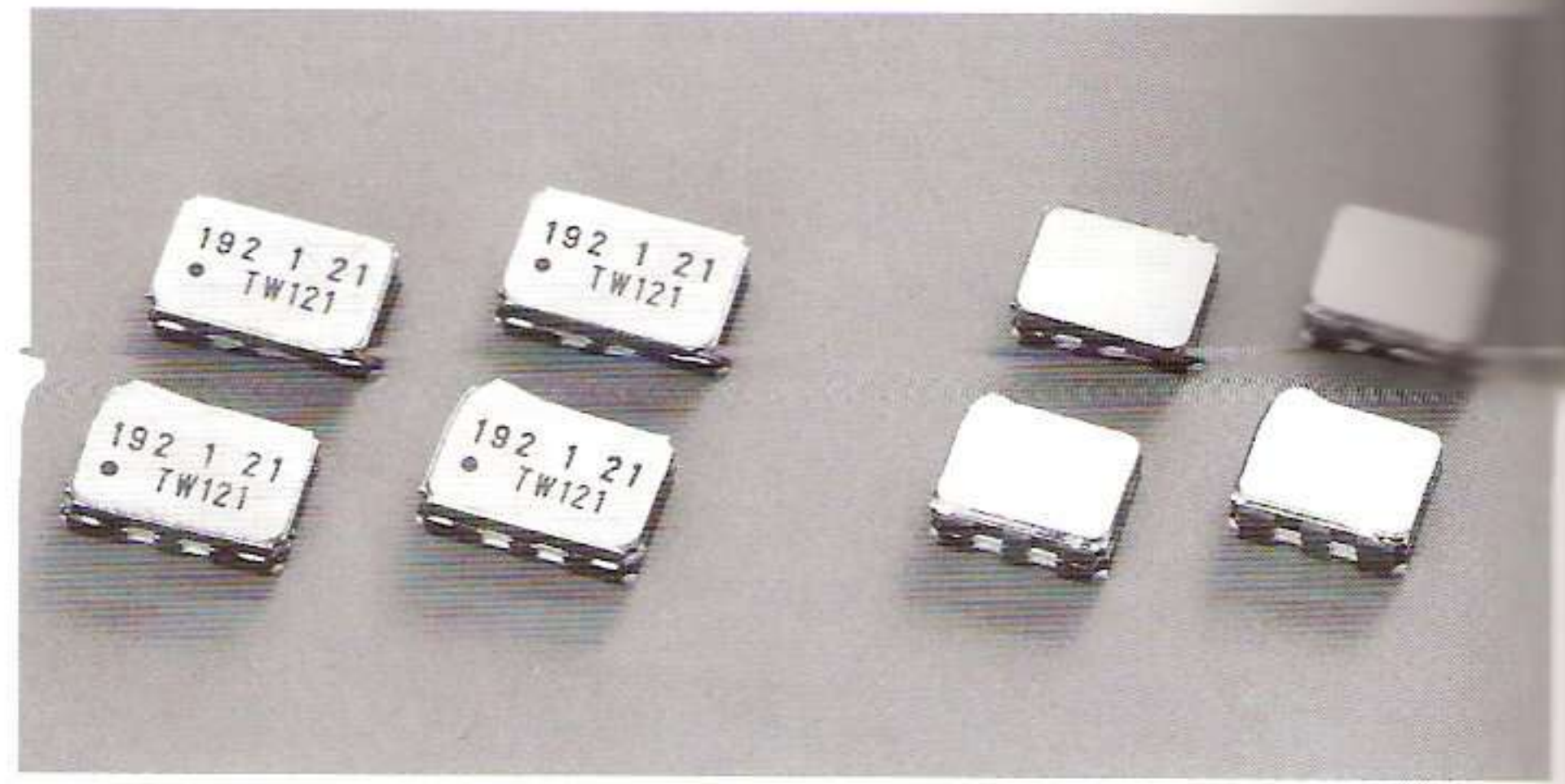


# Miniature Voltage Controlled Temperature Compensated Crystal Oscillators VCTCXO

## Features

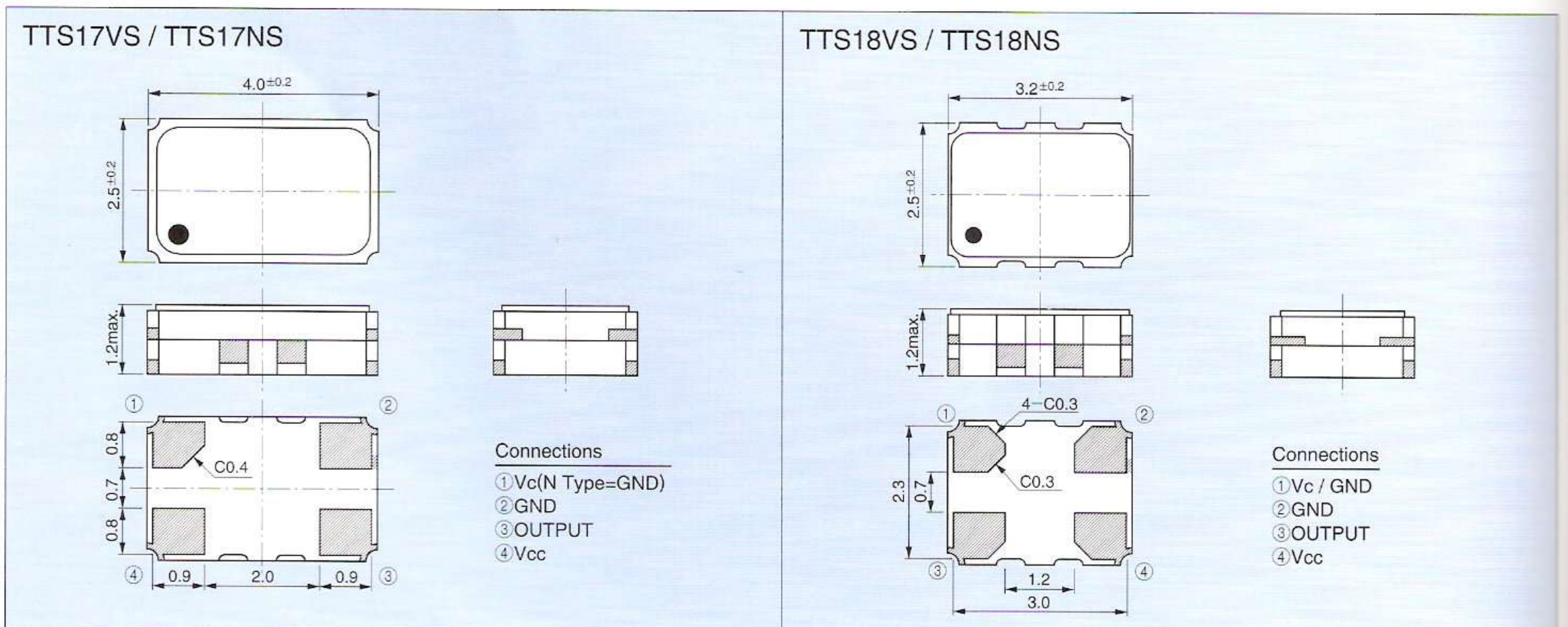
- Reflow solderable. Leadless type having excellent coplanarity.
- Reduced volume (0.012cc, 0.0096cc), low profile and small size, light weight and low power consumption.



## Specifications

Performance	Model	TTS17VS(Old TTS17V)	TTS17NS(Old TTS17N)	TTS18VS(Old TTS18V)	TTS18NS(Old TTS18N)
Frequency	(MHz)	12.6~19.8		14.4~19.8	
Supply Voltage	(V)	3±5%			
Supply Current	(mA)	2max. (at 3V, 25°C)			
Output Level	(Vp-p)	0.8min.			
Load		[10kΩ // 10pF] ±10%			
Frequency Shift (×10 <sup>-6</sup> )	VS Temperature	±2.5 (-20°C~+75°C)			
	VS Supply Voltage	±0.2 (3V±5%)			
	VS Load	±0.2 ([10kΩ // 10pF] ±10%)			
	at Shipping	±0.5 (at+25°C±2°C)			
	VS Aging	±1/year			
Voltage Controlled Range	(×10 <sup>-6</sup> )	±5~±15 (1.5V±1V)	—	±5~±15 (1.5V±1V)	—
Storage Temperature Range	(°C)	-40~+85			

## Outer Appearance



## Measuring Circuit

