

# CRYSTAL OSCILLATORS

## TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS 5400 SERIES

### Model 5411B

### 5411C

■ Main applications: Mobilephone

- Features
- Height 2.5mm max, volume 0.25cm<sup>3</sup>, weight 0.5g
  - This is “with AFC” version
  - Low power consumption (1.5mA max)
  - Surface mount type  
(This is applicable to reflow soldering)

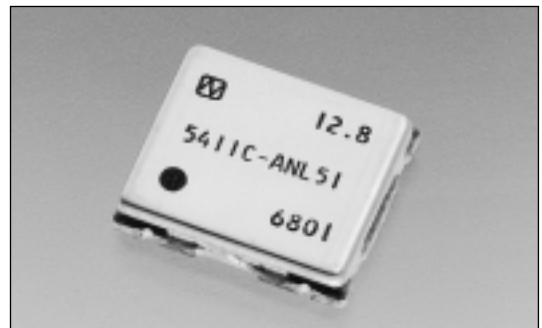
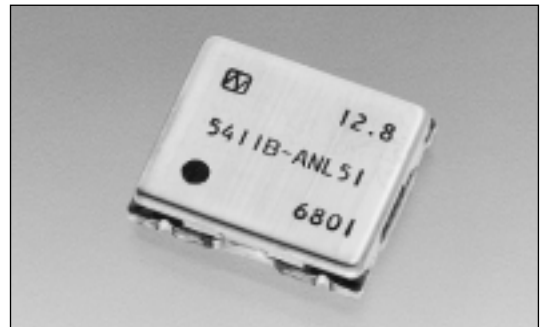
### ■ Specification

Item	Model 5411B		Model 5411C			
	ANL51	ALT51	ANL51	ALT51		
Standard Nominal Frequency (MHz)	12.6	12.8	13	14.4	16.8	19.44
Frequency Stability	$\pm 2.5 \times 10^{-6}$		$\pm 1.5 \times 10^{-6}$		$\pm 2.5 \times 10^{-6}$	
	-30~+75°C		-20~+75°C		-30~+75°C	
Supply Volt Change	$\pm 0.3 \times 10^{-6} / +3V \pm 5\%$					
Supply Voltage	+3VDC					
Current Consumption	1.5mA max					
Output Voltage	0.8V (Peak to Peak) min					
Load	10kΩ//10pF					
Aging	$\pm 1 \times 10^{-6}$ /year		$\pm 0.5 \times 10^{-6}$ /year		$\pm 1 \times 10^{-6}$ /year	
	-30~+75°C		-20~+75°C		-30~+75°C	
AFC Charact	$\pm 12.0 \times 10^{-6} \pm 25\% / +1.5 \pm 1V$					
Case Code	11B-3			11C-1		

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.

AFC charact is available in  $\pm 2 \sim 20 \times 10^{-6} / V$  range. Please contact us.  
If you need NON-standing spec. for frequency., supply V<sub>OL</sub> & AFC charact etc, please contact us.



### ■ Dimensions

