



## SMALL SIZE SMD CRYSTAL UNIT

The ACU5032 is a standard 5.0 x 3.2mm SMD package with seam welding. This highly reliable, stable, and accurate device is suitable for Bluetooth, W-LAN, mobile telecommunication applications.

### □ FEATURES

- Rugged, resistance to shock and vibration.
- Ideally suited for automated pick-and-place assembly environment.
- Can be mounted to PCB using a lead free solder reflow process.
- Complied with RoHS.

### □ STANDARD SPECIFICATIONS

Part Number	ACU5032	
Dimension	5.0 x 3.2 x 0.9	
Mode of Vibration	Fundamental	3rd Overtone
Frequency Range	10.000 MHz ~ 60.000 MHz	60.000 MHz ~ 100.000 MHz
Frequency Tolerance	$\pm 10 \times 10^{-6} \sim \pm 50 \times 10^{-6}$ (@25°C±3°C)	
Temperature Characteristics	$\pm 10 \times 10^{-6} / -20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (NOTE)	
Load Capacitance	8pF, 12pF, 16pF Typical (NOTE)	
Series Resistance	100 $\Omega$ max.	80 $\Omega$ max.
Drive Level	100 $\mu$ W max.	
Aging	$\pm 3 \times 10^{-6}$ / year	
Operating Temperature Range	-30°C ~ +85°C	
Storage Temperature Range	-55°C ~ +125°C	

NOTE: Please consult us for tight stability and different load capacitance.

### □ OUTLINE DRAWINGS Dimensions in mm. Do not scale.

