

ACU7050

LOW PROFILE SMD CRYSTAL UNIT



The ACU7050 is a common 7.0 x 5.0mm SMD package with seam welding. This highly reliable, stable, and accurate device is suitable for OA, AV, 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	ACU7050	
Dimension	7.0 x 5.0 x 1.3	
Mode of Vibration	Fundamental	3rd Overtone
Frequency Range	10.000 MHz ~ 50.000 MHz	30.000 MHz ~ 120.000 MHz
Frequency Tolerance	$\pm 10 \times 10^{-6} \sim \pm 50 \times 10^{-6}$ (@25°C±3°C)	
Temperature Characteristics	$\pm 10 \times 10^{-6}$ / -10°C ~ +60°C (NOTE)	
Load Capacitance	Series, 12pF, 16pF, 30pF Typical (NOTE)	
Series Resistance	40 Ω max.	50 Ω max.
Drive Level	100μW max.	
Aging	$\pm 3 \times 10^{-6}$ / year	
Operating Temperature Range	-20°C ~ +70°C	
Storage Temperature Range	-40°C ~ +85°C	

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

OUTLINE DRAWINGS

Dimensions in mm. Do not scale.

REFERENCE LAND PATTERN

