

QA/B

49U-SMD-Q

MOLDED PLASTIC PIN-TO-PIN COMPATIBLE CRYSTAL

The SMD-Q is a for pad land pattern compatible with common plastic molded designs. A proven 49U/S resistance weld metal enclosure offers excellent long term stability.

**Features**

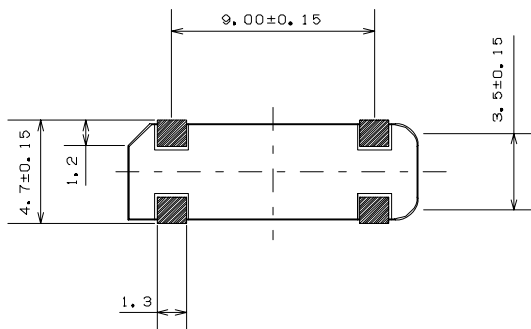
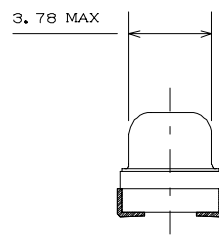
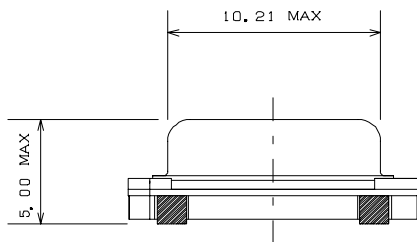
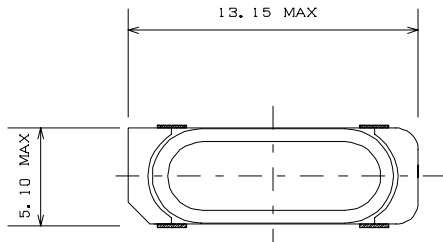
- Interchangeable with popular molded crystal configurations.
- Proven resistance weld seal.
- Low EMI applications, Noise reductions.
- Available on tape & reel ; 24mm tape, 1,000 pcs. per reel.
- IR reflow ready.

STANDARD SPECIFICATIONS

Frequency range	3.5MHz to 36MHz	22MHz to 46MHz	32MHz to 65MHz
Mode of oscillation	AT Fundamental	BT Fundamental	AT 3rd OT
Tolerance at 25°C±3°C	±30 x 10 ⁻⁶		
Frequency stability for -10°C to +60°C	±50 x 10 ⁻⁶	±100 x 10 ⁻⁶	±50 x 10 ⁻⁶
Operating temperature range	-40°C to +85°C		
Storage temperature range	-55°C to +125°C		
Equivalent series resistance	See table		
Drive level	100 μW typical		
Load capacitance	12pF to 32pF or series		

OUTLINE DRAWINGS

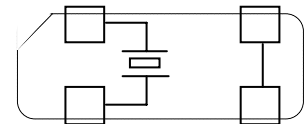
Dimensions in mm. Do not scale.

**ESR TABLE**

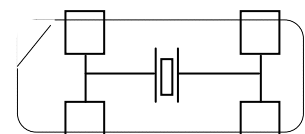
	Frequency Range (MHz)	Maximum ESR (Ω)
AT Fundamental	3.5 - 4.0	180
	4.0 - 5.0	150
	5.0 - 6.0	120
	6.0 - 7.0	100
	7.0 - 9.0	80
	9.0 - 13.0	60
	13.0 - 20.0	50
BT	22.0 - 46.0	40
OT	32.0 - 65.0	80

PIN LAYOUT

49U-SMD-QA



49U-SMD-QB



Sunlead reserves the right to make changes to the product(s) and service(s) described herein without notice.

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