

49U-SMD-QC



J-LEAD TYPE 4-PAD SMD CRYSTAL

The SMD-QC is a 4-pad land pattern compatible with popular ceramic package crystal. The SMD-QC is ideal for all-purpose applications where the durability and electrical performance is prime importance. The resistance weld metal package offers excellent long term stability.

FEATURES

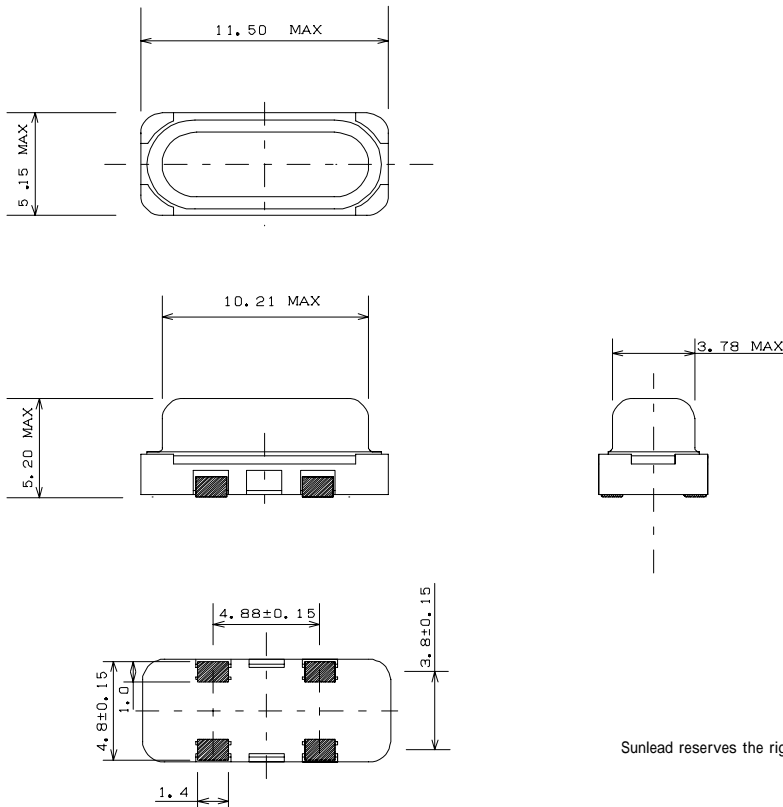
- For pad land pattern compatible with ceramic package.
- Standard 4.88mm pin-to-pin spacing.
- Proven resistance weld metal package for excellent aging.
- Ideal for ruggedized application.
- 1,000 pcs. / reel.
- IR reflow ready.

STANDARD SPECIFICATIONS

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

OUTLINE DRAWINGS

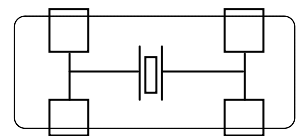
Dimensions in mm. Do not scale.



ESR TABLE

	Frequency (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

OUTPUT PINS



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