

QCG

49U-SMD-QCG



J-LEAD TYPE WITH CASE GROUND CRYSTAL

The SMD-QCG is a J-lead type SMD crystal with case ground. The case ground offers an additional EMI protection. The land pattern of the SMD-QCG is interchangeable with popular ceramic crystals.

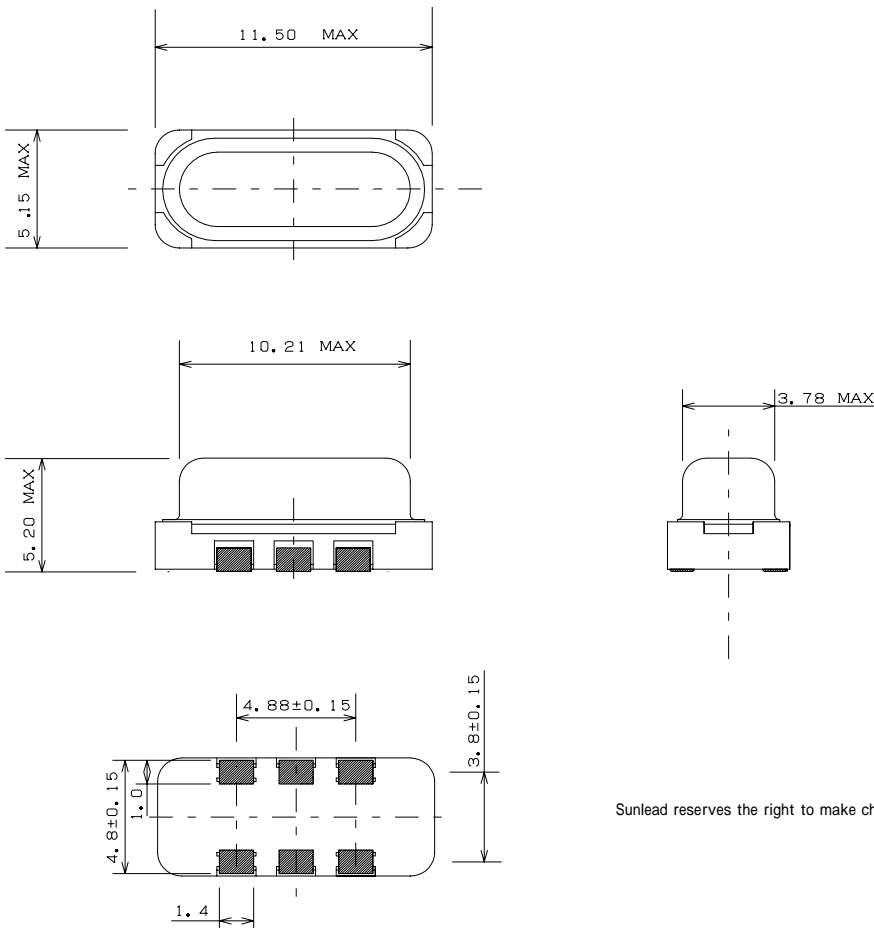
□ FEATURES

- Standard 4.8mm lead spacing with center pin for case ground.
- Proven resistance weld metal package.
- Ideal for telecom equipment application.
- 1,000 pcs. / reel.
- IR reflow ready

□ STANDARD SPECIFICATIONS

Frequency range	3.5MHz ~ 36MHz	22MHz ~ 46MHz	32MHz ~ 65MHz
Mode of oscillation	AT Fundamental	BT	3rd overtone
Frequency stability 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 ~ +85°C		
Storage temperature range	-55°C ~ +125°C		
Equivalent series resistance	See ESR table		
Drive level	100 μW typical		
Load capacitance	12pF to 32pF or Series		

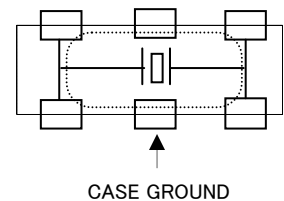
□ OUTLINE DRAWING Unit in mm. Do not scale.



□ 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.

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