

# SL-MG

## LOW PROFILE SMD FOR LOW FREQUENCIES

Being of the small and low profile SMD that featuring high efficiency in mounting, the SL-MG is ideal for application to high-density circuit boards. Excellent environmental characteristics have been guided, due to the use of the proven resistance weld metal package.



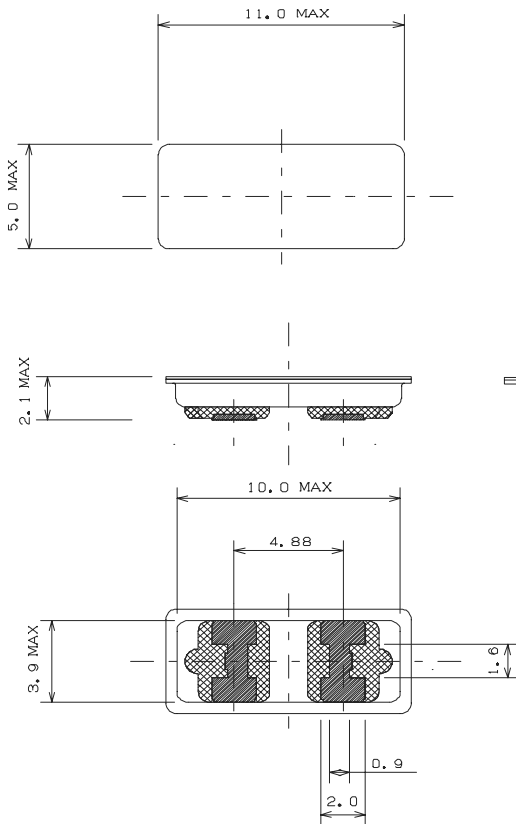
### □ FEATURES

- Low profile and small size SMD type. (11.0 x 5.0 x 2.0mm)
- Standard 4.88mm pitch. (Citizen CS20 pin out compatible)
- Resistance weld metal package to improve EMI characteristics.
- Ideal for low frequency application. (Below 5MHz)
- 1,000 or 2,000 pcs/reel.
- IR reflow ready.

### □ STANDARD SPECIFICATIONS

Frequency range	3.5MHz to 40MHz	25MHz to 46MHz	32MHz to 90MHz
Mode of oscillation	AT Fundamental	BT Fundamental	AT 3rd OT
Tolerance at 25°C±3°C	±30 x 10 <sup>-6</sup>		
Frequency stability (-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 table		
Drive level	100µW typical		
Load capacitance	12pF to 32pF or series		

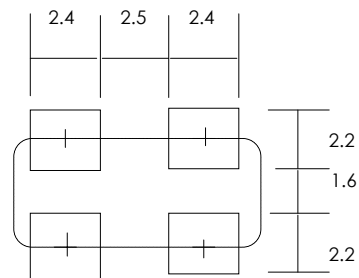
### □ OUTLINE DRAWINGS Dimensions in mm. Do not scale.



### □ 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
	20.0 - 40.0	40
BT	25.0 - 46.0	40
OT	32.0 - 90.0	80

### □ SUGGESTED SOLDER PAD



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

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