Automotive Grade

Onboard Contact
OG-684296

NEW

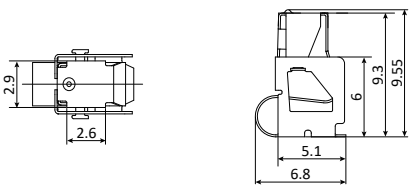
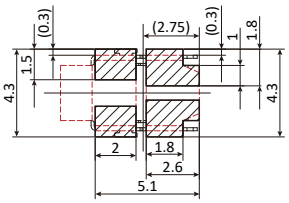
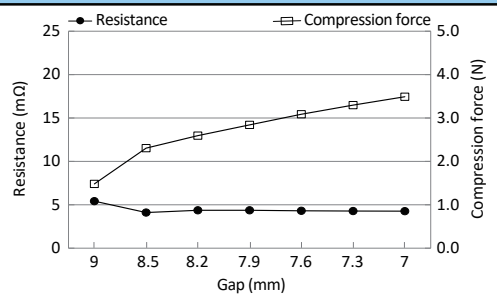
RoHS Compliant

SMT-type EMC grounding contactfor PCB's in engine compartments

- Spring mechanism withstands10 million compressions from engine vibrations
- Unique dimple design allows for continued eletrical contact
- Operating temperature from -40℃ ~ +150℃, ideal for automotive applications

Specifications

Applications	Ground Contact for SMD
Material	Beryllium Copper (t0.15mm)
Recommended Gap (mm)	7.0 ~ 9.0
Surface Treatment	Sn reflow plating (Primary plating Cu)
Operating Temperature (°C)	-40 ~ 150

Dimensions(mm)	Pad and Mask Dimensions(mm)	Compression force vs Electric resistance
		

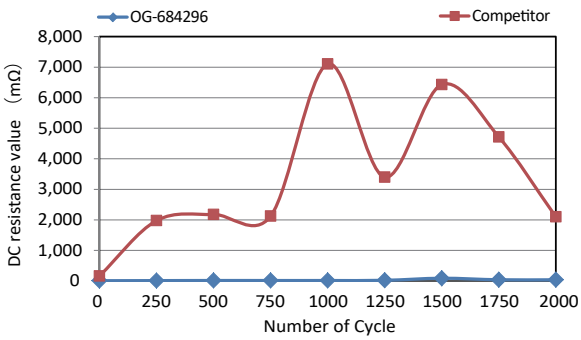
Compression Test

Deflection: H=7.0mm~7.6mm
Compression count : 10 million times
Compression speed: 100 times/sec
Test method: Height measured and visual check after compressed to 7.0mm~7.6mm 10 million deflections.

	Before	After
External status		
Height (mm)	9.619	9.601
Recovery rate (%)	—	99.8

Heat-shock Test

Temperature switch: -40°C/150°C (0.5 hour each)
Number of cycle: 2000 cycles
Metal plate: Aluminum (ADC 12)
Test method: Sample is compressed by metal plate while heat is applied.
DC resistance value is measured.



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Please request for detailed product specification data prior to purchase

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.