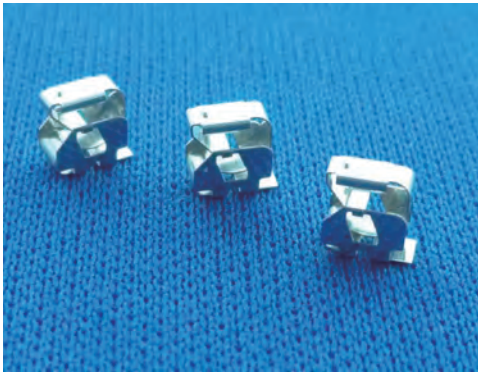


# Onboard Contact OG-503253-A

**NEW**

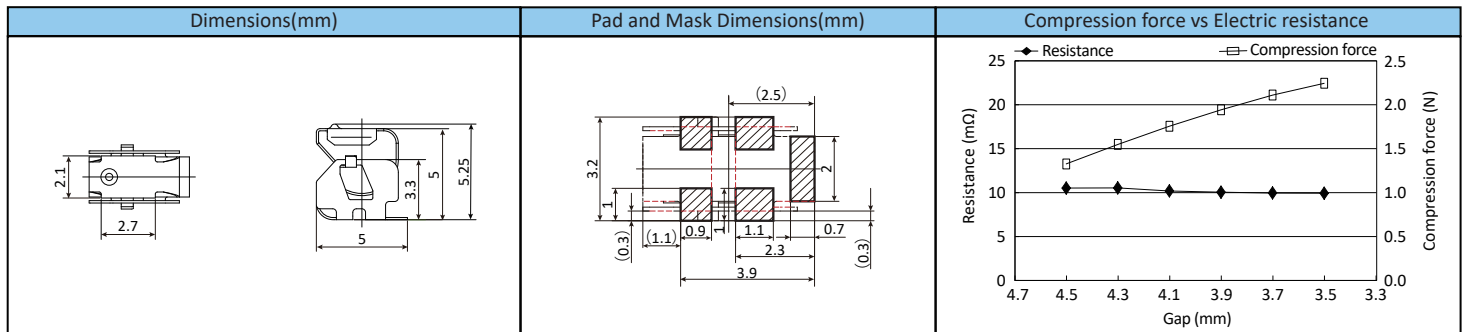


## SMT grounding contact for engine compartment PCB

- Spring mechanism capable of withstanding 10 million deflections caused by engine vibration
- Sustained conduction is secured because of unique dimple design
- Can be used under high temperature at 150°C

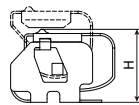
### Specifications

Applications	Ground clip for SMD
Material	Beryllium Copper (t0.12mm)
Applicable Thickness (mm)	3.5 ~ 4.5
Surface Treatment	Sn reflow plating (Primary plating Cu)
Operating Temperature (°C)	-40 ~ 150



### Compression Test

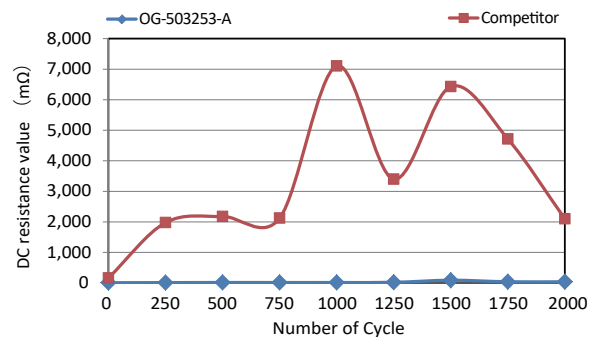
Deflection: H=3.5mm~3.9mm  
 Compression count : 10 million times  
 Compression speed: 100 times/sec  
 Test method: Height measured and visual check after compressed 3.5mm~3.9mm deflections for 10 million times



	Before	After
External status		
Height (mm)	5.263	5.226
Recovery rate (%)	—	99.7

### 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. After a set of 250 cycles the DC resistance value is measured



**KGS America**  
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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.

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