



Onboard Contact

OG-453239-A

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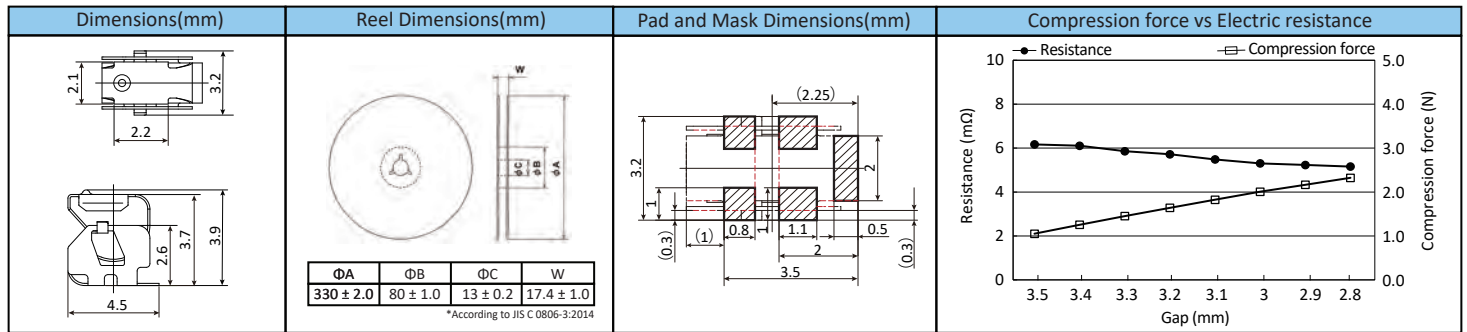


SMT grounding contact for engine compartment PCB

- Connecting a GND layer of PCB with multiple points on a chassis can be expected to suppress radiation noise
- Connectors are prone to static electricity. When the OG is placed near a connector, it creates a ground connection with the chassis to release the static electricity
- The spring structure has durability for 10 million vibrations, considering the deflection of PC boards caused by vibration
- Sustained conduction is secured because of unique dimple design
- Can be used under high temperature at 150°C

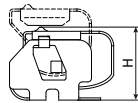
Specifications

Applications	Ground contact for SMD
Material	Beryllium Copper (t0.12mm)
Applicable Thickness (mm)	2.8~3.5
Surface Treatment	Sn reflow plating (Primary plating Cu)
Operating Temperature (°C)	-40 ~ 150



Compression Test

Deflection: H=2.8mm~3.2mm
 Compression count : 10 million times
 Compression speed: 100 times/sec
 Test method: Height measured and visual check after compressed 2.8mm~3.2mm deflections for 10 million times

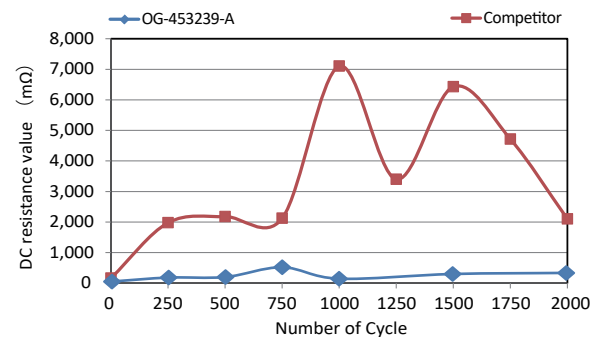


	Before	After
External status		
Height (mm)	3.913	3.902
Recovery rate* (%)	—	99.7

*Restoration rate (%) = (Height after test / height before test) × 100

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.
 The DC resistance value is measured



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