

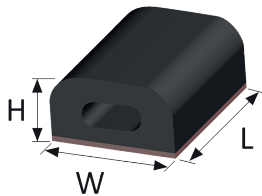
# CONDUCTIVE RUBBER PCB SHIELDING GASKETS 1560

Surface Mountable Technology (SMT) compatible electric elastomer connector on PCB level



1560 series is Surface Mountable Technology (SMT) compatible electric elastomer connector. The shielding gasket has good elastic recovery and electric property, so it offers not only cushion, but also electrical connecting and grounding between electrical objects and PCB. The 1560 series consist of a conductive coating layer on an elastomer tube and a solder able metal foil under the tube. So it has good electrical conductivity and better soldering strength.

## STANDARD PART NUMBERS



Part number	Dimension (mm)		
	W	H	L
1560-2.0-0.8-1.0	2.0	0.8	1.0
1560-2.0-1.1-1.0	2.0	1.1	1.0
1560-2.0-1.3-1.0	2.0	1.3	1.0
1560-2.0-1.4-1.0	2.0	1.4	1.0
1560-2.0-1.6-1.5	2.0	1.6	1.5
1560-2.0-1.8-1.5	2.0	1.8	1.5
1560-2.0-2.0-1.5	2.0	2.0	1.5
1560-2.0-2.5-1.8	2.0	2.5	1.8

\* Other sizes are available on request. Any length is acceptable.

## MAIN CHARACTERISTICS

- Low electric resistance
- Meet to most salt spray and environmental test
- Good resilient & recovery property. Easy to apply SMT and Repair.
- Strong soldering strength and not easy to detach on PCB

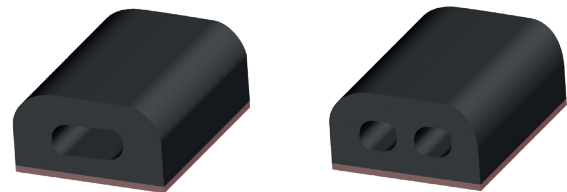
## APPLICATIONS

- Smart phone
- Mobile device
- Tablet
- PC
- LCD Panel,
- Navigation for Electric Connecting and Grounding.

**Notice:** 1560 series PCB shielding gaskets should be compressed (about 0.2~0.3mm) on the solder cream at the place-process of SMT.


## OPTIONAL ON REQUEST

The 1560 gasket is standard delivered with one hole. Optional is a version with two holes in the gasket. The product may have two holes at core for better recovery but it can be stiff / harder and less easy to compress.



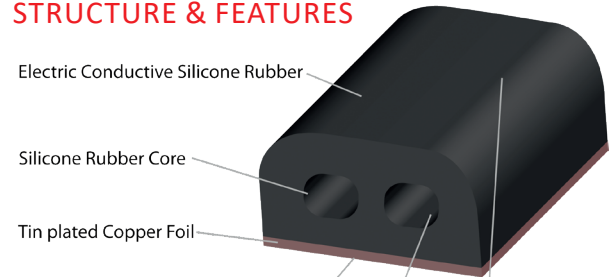
## » CONDUCTIVE RUBBER PCB SHIELDING GASKETS 1560

### PROPERTIES

Product type	1560 series	
Color of Conductive Coating Layer	Black, dark gray	
Width	2.0mm ~	
Height	0.8mm ~	
Compression ratio	Typical 10% ~ 40% compression of original height	
Operation temperature	-35 °C ~ 160 °C	
Resistance	Vertical	Typical 0.05Ω
	Surface	Typical 0.05Ω/□
Soldering strength	Length direction	Not easy to detach & removal due to flexibility & shove Typical 150gf for 1560-2.0-1.1-1.0
	Width direction	Typical 200gf for 1560-2.0-1.1-1.0
Elastomer hardness	Shore A 50	
Recovery rate (30% × 10,000 times)	Typical 93%	
Abrasion test	No metal dust after rubbing with PP tape (2kg Roller / 10 cycles)	
Thermal Shock	Change ratio of resistance & elasticity is lower than 10% (-40 °C × 0.5hr ↔ 85 °C × 0.5hr × 100 cycles)	
High Temperature/humidity	Change ratio of resistance & elasticity is lower than 10% (85 °C / 85% RH / 100hrs)	
Salt spray	No changing of color and electric resistance (KS D 9502, 5% NaCl, 35 °C / 48hrs)	
Flammability	Classified by UL to UL 94 V-1	
Environment	Halogen-free, EU-RoHS compliant, lead-free	
Recommend solder pattern	 <p>We recommend a non-separated solder pattern and the 100µm thickness of solder cream</p>	

These values are measured under laboratory conditions. In other situations results may differ. Please read our Guarantee.

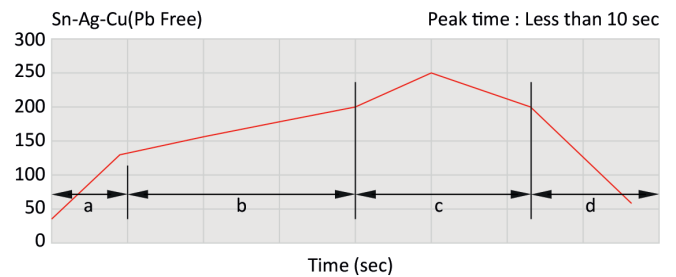
### STRUCTURE & FEATURES



- Flat surface for easy pick & place
- Flat surface for large electric contact area
- Blackened surface for anti-pollution
- 2 holes structure provide good recovery  
1 hole structure is acceptable
- Tin plated Copper Foil provide good soldering strength
- Copper Foil are adhered to a Conductive Silicone Rubber, directly

### RECOMMENDED RE-FLOW SOLDERING CONDITION FOR SN PLATING

Condition of Ref-low soldering (Recommended)		
Zone	Temperature (°C)	Time (sec)
A	RT ~ 130	60
B	Max. 220	90 ~ 150
C	220 ~ 250 (max. 250)	90 ~ 150
D	220 ~ RT	Min. 60



### ORDER EXAMPLE

<b>Series</b>	<b>Width (mm)</b>	<b>Height (mm)</b>
1560	Width of the gasket (Standard 2mm)	Specify the height in mm
	<b>Length (mm)</b>	
	Specify the length in mm	

### ALTERNATIVES



Alternatives for PCB shielding gaskets are PCB contact fingers 2900 series which can be found on page 101 PCB fingers are made of metal and therefore have better conductivity and are therefore suitable for applications where high currents flow. These PCB contact fingers come in many shapes and sizes.

#### \*Notice

Information supplied in these data sheets is based on independent and laboratory tests which Holland Shielding Systems BV, hereafter referred to as HSS believes to be reliable. HSS has no control over the design of customer's product which incorporates products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

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