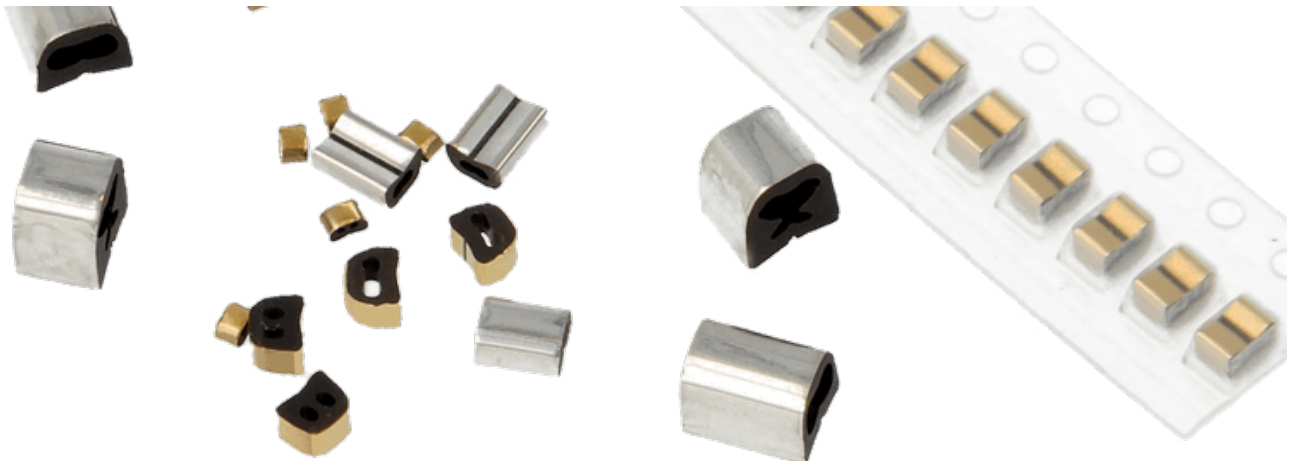
Film over rubber PCB shielding gaskets

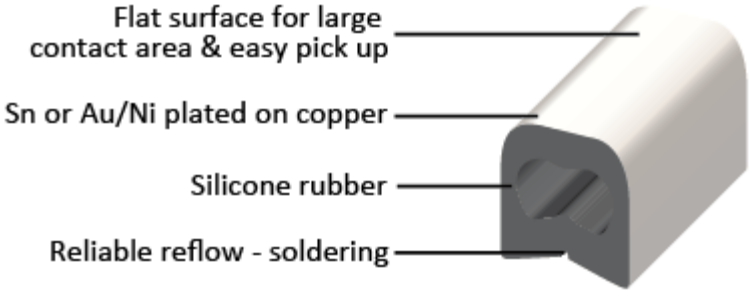


Film over rubber PCB shielding gaskets 1550

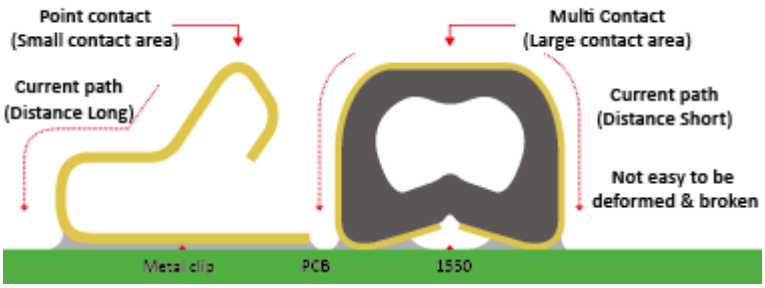
Good elastic recovery and electric properties, for electrical connecting between electrical objects

1550 series has good elastic recovery and electric properties, so it offers not only cushion properties, but also electrical connecting between electrical objects including PCB. It is useful for EMI/ESD/RF countermeasure, electrical grounding and connecting as EMI gasket and/or electric connector. It consists of conductive film, elastic adhesive and elastomer tube, so it is not broken and deformed like metal fingers. There are many sizes and options to meet various customers demands and needs.

General structure



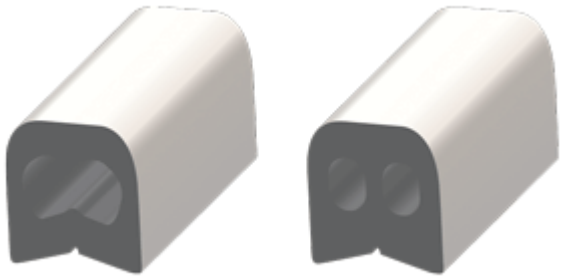
Metal clip VS 1550



Optional on request

Film over rubber PCB shielding gaskets

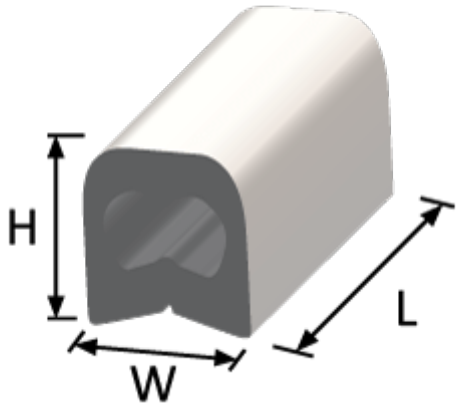
The 1550 gasket is standard delivered with one hole. Optional is a version with two holes in the gasket. Keep in mind that because of the two holes the gasket can be stiff / harder and less easy to compress.



Technical specifications

	Standard-Type (Tin)	Gold-Type (Au/Ni)
Copper Layer (inside)	Standard performance	High performance
Plating (surface)	Sn (Tin)	Au/Ni
Plating on the copper edge	None	Yes Au/Ni
Reliability	Good	Best
Example of P/N	1550-W-H-L-S	1550-W-H-L-G
Main applications	Economic price, home applications	Automotive, industrial & military
Re-flow soldering Temp.	Max 250 °C	Max 270 °C
Max. rework	1 time	3 times
Price	$	$$
These values are measured under laboratory conditions. In other situations results may differ. Please read our Guarantee.		

Part number dimensions



Application

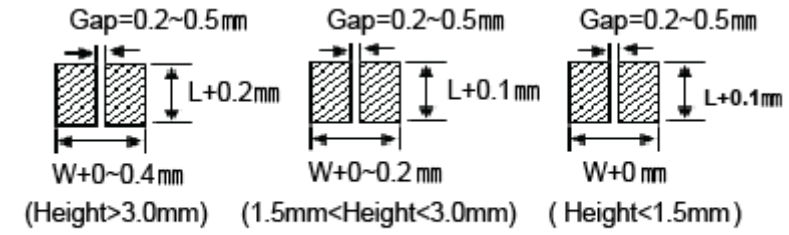
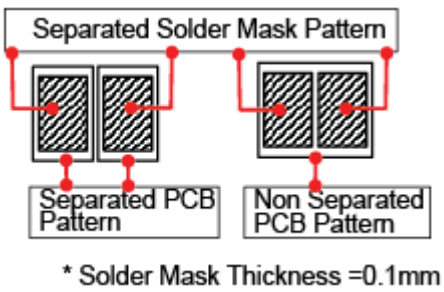
- Smartphone
- Automotive
- TV
- Tablet
- PC
- LCD panel
- Navigation for electrical connection
- Grounding

Produkt anfragen

Film over rubber PCB shielding gaskets

- Surface mount technology (SMT) compatible
- Lowest electric resistance (typical 0.06 Ω)
- Excellent elasticity & low compression force
- Not easily deformed & broken by external force
- Large contact area
- Solder protection line exist
- Sizes from small to big with various options
- Proper for mass production & re-work available
- Halogen-free, EU-RoHS compliant, non-flammable

Properties

Materials	Silicone Rubber, Silicone adhesive, polyimide film, Sn or AU/NI plated copper layer
Width	0.45 mm ~
Height	1.2 mm ~
Compression Ratio	Typical 10% ~ 40% compression of original height
Operation Temperature	-35 °C ~ 160 °C
Resistance Vertical/Surface	Typical 0.06 Ω/ typical 0.06 Ω
Elastomer hardness	Shore A 50, shore A 65
Recovery ratio (25%*500times)	Typical 90% of original height (depends on size)
Soldering Strength	Depends on sizes (long length provides strong soldering strength)
Abrasion Test	No metal dust after rubbing with PP tape (2 kg roller / 10 cycles)
Thermal shock	Change ratio of resistance & elasticity is lower than 10% (-40°C*0.5hr ↔ 85°Cx0.5hr*100cycles)
High temperature/humidity	Change ratio of resistance & elasticity is lower than 10% (85°C / 85% RH / 100hrs)
Salt spray	Change ratio of resistance & elasticity is lower than 10% (KS D 9502, 5% NaCl, 35°C/12hrs)
Flammability	Over UL 94 V-1 (UL file No. E250169)
Environment	Halogen Free, EU-RoHS compliant, lead-free
Reflow Soldering	max. 250 °C for Sn plating, max. 270 °C for Au/Ni plating.
	
Recommend Solder pattern	 * Solder Mask Thickness =0.1mm