

## Technical information : METAL GASKETS

### Description:

These gaskets are obtained by etching of thin metal sheets and using small springs following the gasket to realize the electromagnetic shielding function. These gaskets allow the cavities to be isolated from one another with a low compression force, even on surfaces with high roughness. Especially suitable for multi-cavity telecommunication applications.

These gaskets are the alternative to dispensing. They are characterized by low weight, low compression force, low volume and product lifetime durability.

### Material

Stainless steel 0.15mm, Copper

### Manufacturing processes

Photo etching

### Packaging

Box, thermoformed tray, rolls

### Options

Surface treatment, bridges

### Max Dimensions

400 x 500 mm

Items	Description
Pitch down	1.2 mm
Pins	Located pins
Shielding springs	Simple or double row of springs
Fixation clips	-
Bridges	To match the shape of profiles and ensure the EMI shielding between the PCB and the case.
Tensile strength	1800 N/mm <sup>2</sup>
Modulus of elasticity	2.1 x 10 <sup>5</sup> N/mm <sup>2</sup>
Metal gasket	0.15 mm 7C27 Mo2 hardened stainless steel. Can be metallized with gold, silver, chrome, tin...
Metal or Plastic Covers/Shields	Aluminum, magnesium, ABS, PC, PAA (IXEF), etc
Design advice	The gasket is fixed to the shield by pins and locked by springs integrated in the gasket.