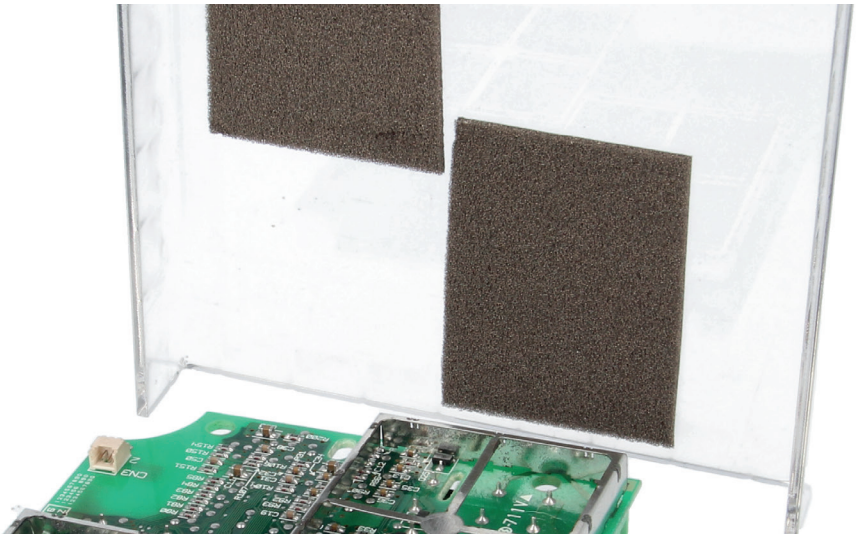
COMPARTMENT SHIELDED FOAM 1800

Developed to shield only a part of the printed circuit board



Compartment shield foam is a highly conductive foil laminated with a high-deflection, low closure-force foam layer. The housing itself is used to close the separations on the PCB.
The high-deflection, low closure-force foam is also available combined with conductive fabrics or non-wovens.

Electromagnetic (EM) radiation can prevent a device from functioning correctly. This is called electromagnetic interference (EMI).

Compartment shield 1800 series for PCB's was developed to shield only a part of the printed circuit board (PCB) from electromagnetic radiation at the source, rather than shielding all of the components or the entire housing/enclosure of the device against electromagnetic radiation.

Compartment shielding foam is available in the materials PU foam and neoprene foam with with a amucor foil or conductive textile. Whether it is for a small number of prototypes or large production, we will be happy to produce the precision components that you require.

Please note that the compartment shield must make contact to ground.

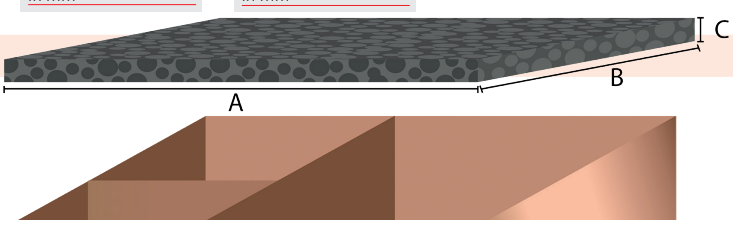
PART NUMBERS

Foam thickness	PU foam (max. 80 % compression) + Amucor foil	PU foam (max. 80 % compression) + Conductive textile	Neoprene foam (max. 50 % compression) + Amucor foil	Neoprene foam (max. 50 % compression) + Conductive textile
3mm	1800-1-3	1800-2-3	1800-3-3	1800-4-3
4mm	1800-1-4	1800-2-4	1800-3-4	1800-4-4
5mm	1800-1-5	1800-2-5	1800-3-5	1800-4-5
6mm	1800-1-6	1800-2-6	1800-3-6	1800-4-6
8mm	1800-1-8	1800-2-8	1800-3-8	1800-4-8
10mm	1800-1-10	1800-2-10	1800-3-10	1800-4-10
15mm	1800-1-15	1800-2-15	1800-3-15	1800-4-15

Other thicknesses and materials on request. The final product is made according to customers drawing.

ORDER EXAMPLE

Series	Foam code	Length A (mm)	Width B (mm)	Thickness C (mm)
1800	**1 :** PU Foam + Amucor foil **2 :** PU Foam + Conductive textile **3 :** Neoprene Foam + Amucor foil **4 :** Neoprene Foam + Conductive textile	Specify the length in mm	Specify the width in mm	Specify the thickness in mm



Technical Datasheet