MICROWAVE ABSORBER
LFA-SERIES

Lossy Foam Absorber product series is a lightweight conductive carbon loaded sheet stock providing broadband loss at microwave frequencies.

It is designed with a continuous electrical coating to exhibit high insertion loss and is intended to be applied to surfaces inside microwave cavities, housings, radomes or antennae.

Lossy Foam Absorbers attenuate energy at normal and high angles of incidence at frequencies from 1 to 18 GHz.

- Available in 610x610 mm standard sheet size; other dimensions, die-cut and kiss-cut on request
- Available in thicknesses from 3,18 to 50,8 mm
- Lightweight polyether reticulated foam
- Easily applied with adhesive tape
- Most broadband absorber material
- Halogen free

RoHS ✓ REACH ✓

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Polyether reticulated foam	-
Standard sheet size (LxW)	610x610 mm	-
Thickness range (T)	3,18 – 50,8 mm	-
Adhesive thickness	0,12 mm	-
Operating temperature	-50 – 120°C	-
Colour	Black	Visual

FREQUENCY RANGE

FREQUENCY (GHz)	MATERIAL THICKNESS (mm)
0,5 – 40	50,8
0,5 – 18	38,1
0,7 – 18	25,4
2 – 18	12,7
6 – 18	6,35
10 – 18	3,18

BUILDING AN ITEM NUMBER

MWA-LFA-LxWxT-X-YYY-ZZZ

Microwave Absorber	
Lossy Foam Absorber	
xx	Length (mm)
xx	Width (mm)
xx	Thickness (mm)
N	Non-conductive adhesive
O	Without adhesive tape
DST	Die-cut parts
KCT	Kiss-cut parts
PET	PET film
O	Without PET film

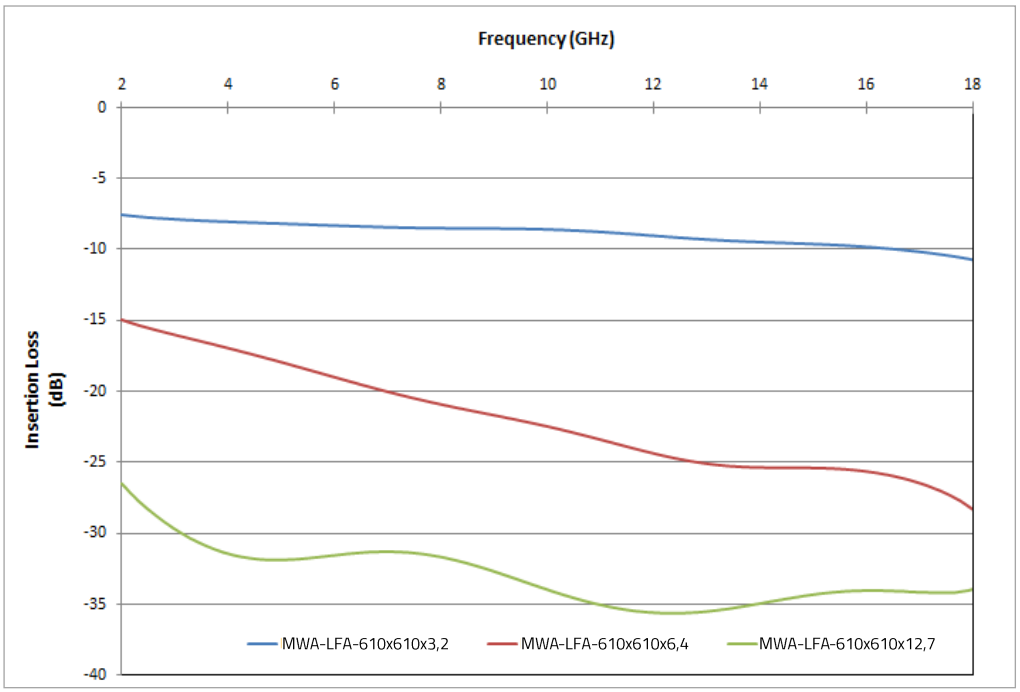
Standard options

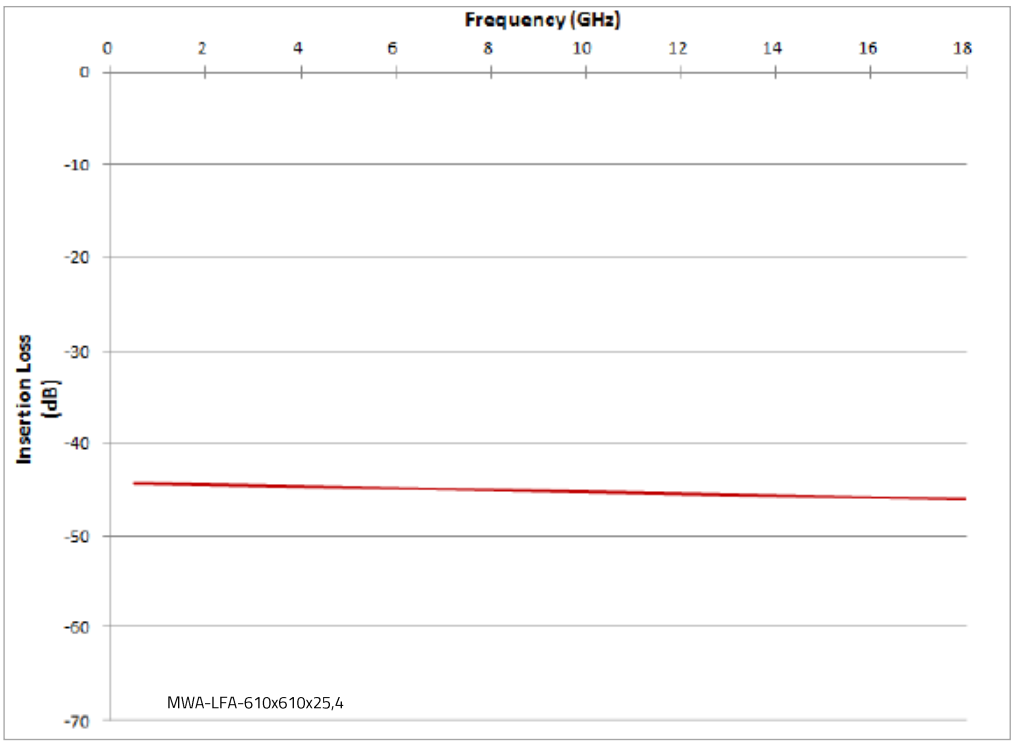
EXAMPLE | **MWA-LFA-610x610x3,18-N-DST-PET**
Lossy Foam Absorber; size: 610x610 mm; thickness: 3,18 mm; non-conductive adhesive; die-cut; with PET film

CONFIGURATIONS AVAILABLE

- Standard sheet size: 610x610 mm
- Thickness of 50,8 mm constructed by 2 layers of 25,4 mm/each
- Thickness of 38,1 mm constructed by 2 layers, one of 25,4 mm and 12,7 mm
- Customer-specific sheet sizes on request
- Die-cut parts
- Kiss-cut parts

INSERTION LOSS





INSERTION LOSS