MICROWAVE ABSORBER
TFA-SERIES

Tuned Frequency Absorber product series is a thin magnetically loaded sheet stock. It is also known as resonant frequency absorber and provides great reflection loss at a discrete frequency, typically offering 20dB of attenuation.

Tuned Frequency Absorber offer a narrowband of absorption, typically +/- 10% of the resonant frequency.

The material can be tuned to any frequency from 1 to 40 GHz by simply changing the formulation and thickness.

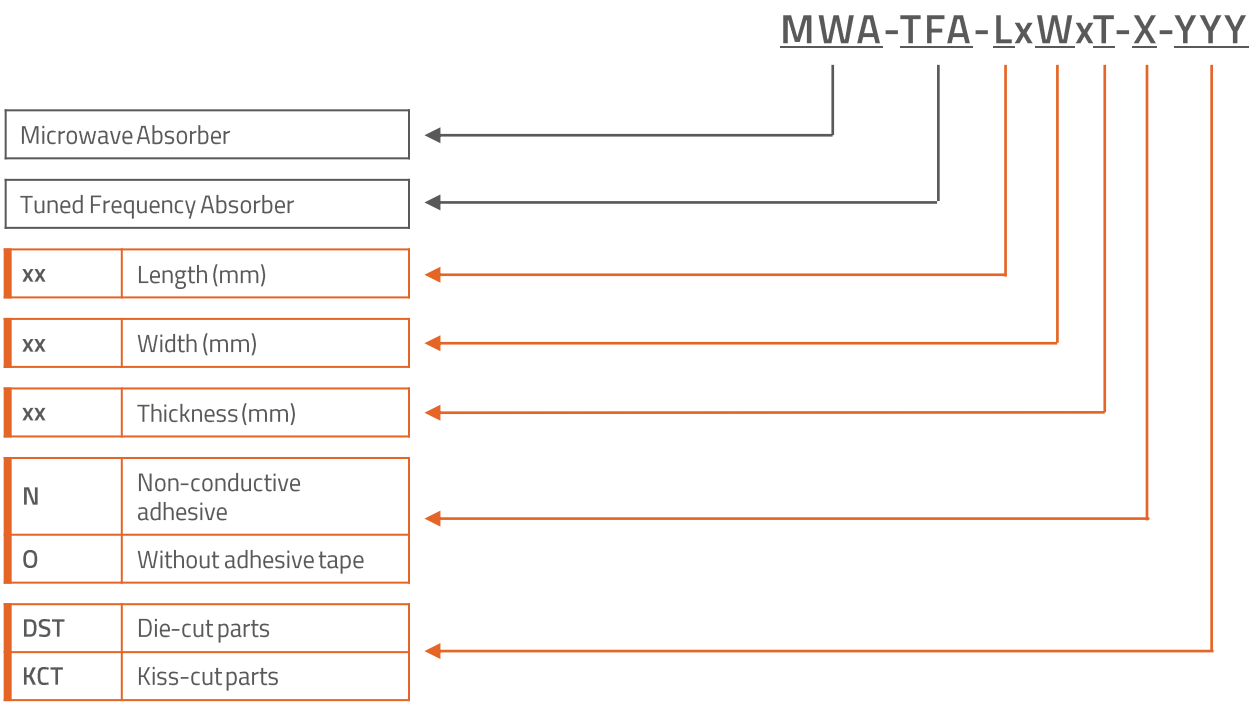
- **Available in 610x610 / 305x305 mm standard sheet size; other dimensions, die-cut and kiss-cut on request**
- **Available in thicknesses from 0,89 to 4,2 mm**
- **Very thin for compact locations**
- **Flexible elastomeric material will not crack**
- **Narrow frequency range**
- **Halogen free**

RoHS ✓ REACH ✓ UL 94

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Silicone	-
Standard sheet sizes (LxW)	610x610 / 305x305 mm	-
Thickness range (T)	0,89 – 4,2 mm	-
Adhesive thickness	0,12 mm	-
Operating temperature	-50 – 190°C	
Hardness	60 – 80 Shore A	-
Colour	Grey	Visual
Flammability rating	V-0	UL94

BUILDING AN ITEM NUMBER



Standard options

EXAMPLE | **MWA-TFA-610x610x0,89-N-DST**
Tuned Frequency Absorber; size: 610x610 mm; thickness: 0,89 mm; non-conductive adhesive; die-cut

CONFIGURATIONS AVAILABLE

- Standard sheet sizes: 610x610 / 305x305 mm
- Customer-specific sheet sizes on request
- Die-cut parts
- Kiss-cut parts

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FREQUENCY RANGE

FREQUENCY (GHz)	MATERIAL THICKNESS (mm)
1,0	4,20
2,0	3,30
3,0	2,59
4,0	1,98
5,0	2,06
6,0	1,78
7,0	1,57
8,0	1,35
9,0	1,83
10,0	1,65
11,0	1,52

FREQUENCY (GHz)	MATERIAL THICKNESS (mm)
12,0	1,42
13,0	1,30
14,0	1,27
15,0	1,14
16,0	1,09
17,0	1,04
18,0	1,02
20,6	1,09
24,0	1,07
30,0	0,97
35,0	0,89

REFLECTIVITY PERFORMANCE