MICROWAVE ABSORBER
SWA-SERIES

Surface Wave Absorber product series is a thin very highly loaded sheet stock having high loss at microwave frequencies, while main-taining the desirable characteristics of elastomeric binders.

Surface Wave Absorbers are the most heavily magnetically loaded absorber. Surface Wave Absorbers are designed to exhibit the highest loss and are intended to be applied to metal surfaces for traveling or surface wave attenuation. Surface Wave Absorbers attenuate traveling wave energy at frequencies from 1 GHz to 20 GHz.

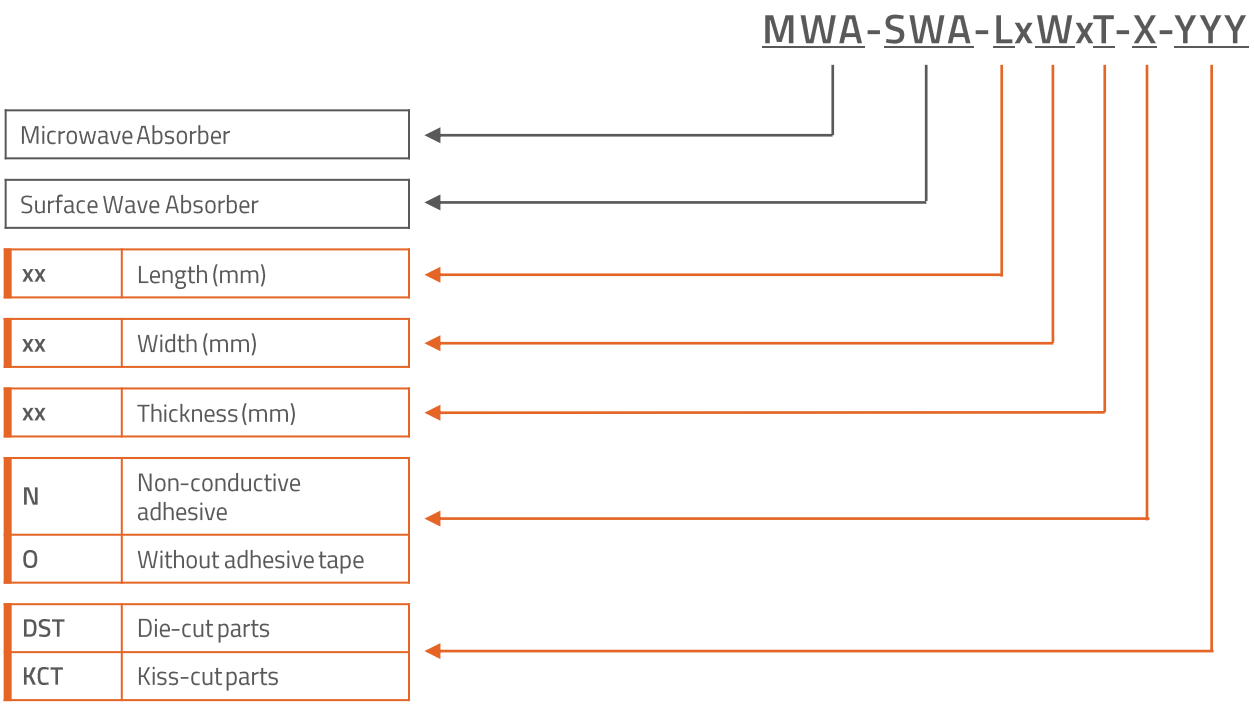
- Available in 610x610 mm standard sheet size; other dimensions, die-cut and kiss-cut on request
- Available in thicknesses from 0,51 to 3,18 mm
- Very thin for compact locations
- Flexible elastomeric material will not crack
- Support broad frequency range
- Halogen free

RoHS ✓ REACH ✓ UL 94

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Silicone	-
Standard sheet size (LxW)	610x610 mm	-
Thickness range (T)	0,51 – 3,18 mm	-
Adhesive thickness	0,12 mm	-
Operating temperature	-50 – 190°C	
Hardness	60 – 80 Shore A	-
Colour	Dark grey	Visual
Flammability rating	V-0	UL94

BUILDING AN ITEM NUMBER



Standard options

EXAMPLE | **MWA-SWA-610x610x1,02-N-DST**
Surface Wave Absorber; size: 610x610 mm; thickness: 1,02 mm; non-conductive adhesive; die-cut

CONFIGURATIONS AVAILABLE

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

FREQUENCY RANGE

FREQUENCY (GHz)	MATERIAL THICKNESS (mm)
14 – 18	0,51
10 – 14	0,76
8 – 12	1,02
5 – 8	1,27
4 – 7	1,50
3 – 6	1,78
3 – 6	2,03
2 – 4	2,29
2 – 4	2,54
1 - 3	3,18

REFLECTION LOSS PERFORMANCE