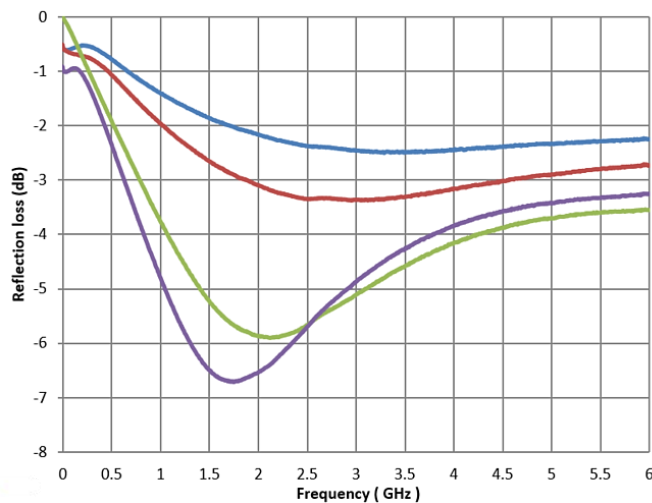


Microwave Absorber Sheet



Withwave's TM W-Absorber is microwave absorber in thin sheet format made of a mixture of polymer resin and metal magnetic powder which is thin and flexible and excellent in workability and can be easily bonded. This absorber can suppress radiation noise of electronic devices for wideband microwave frequency range and reduce surface current as well as surface reflection in cavity resonant application.



· Features

- Available for Microwave Freq. range
- Lightweight, flexible, thin and excellent processability
- Wide absorption bandwidth
- Included Adhesive tape on backside

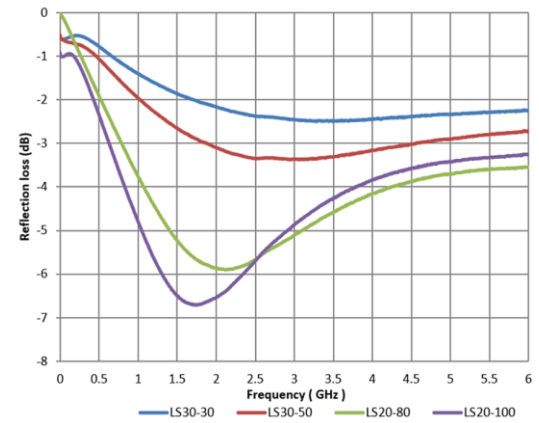
· Application

- Commercial communications
- Security and Defense
- Antenna Chamber
- Automotive, general electronics



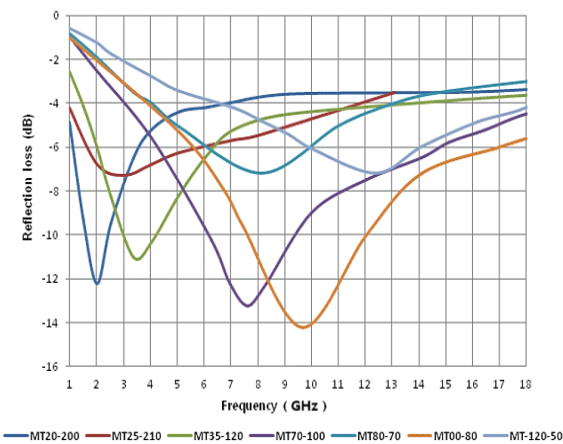
LS Series

Items	LS20-80	LS20-100	LS20-310	LS30-30	LS30-50	LS30-300
Freq. range (GHz)	< 6.0		< 7.0	< 6.0		< 7.0 & 20-40
Peak & Center Freq. (GHz)	2.0	2.0	2.0 & 6.0	3.0	3.0	3.0 & 34.0
Standard thickness (mm)	0.8	1.0	3.1	0.3	0.5	3.0
Standard size (mm)	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)		S3 : 210 x 300 (A4 size) S4 : 250 x 300	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)		S3 : 210 x 300 (A4 size) S4 : 250 x 300
Surface resistance (Ω)	1x10 ⁶ (min)					
Specific gravity	3.4 ± 0.5		3.7 ± 0.7	3.4 ± 0.5		
Temp. Range (°C)	-30 to 90					
Hardness (Shore A)	93 ± 5					



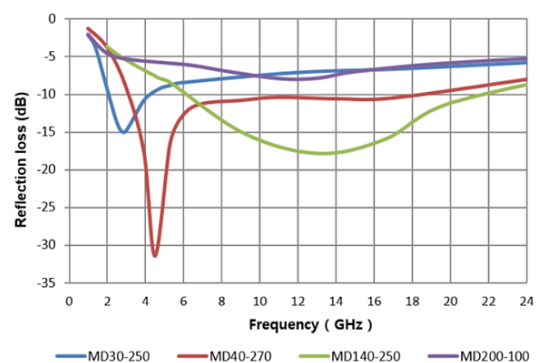
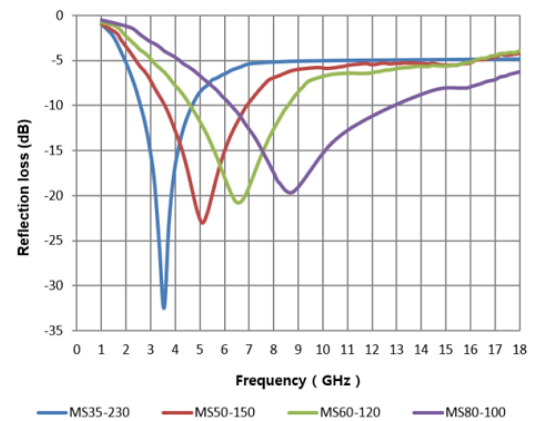
MT Series

Items	MT20-200	MT25-210	MT30-210	MT35-120	MT70-100	MT80-70	MT100-80	MT120-50
Freq. range (GHz)	< 18.0							
Peak & Center Freq. (GHz)	2.0	2.5	3.0	2.0	7.0	8.0	10.0	12.0
Standard thickness (mm)	2.0	2.1	2.1	1.2	1.0	0.7	0.8	0.5
Standard size (mm)	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)							
Surface resistance (Ω)	1x10 ⁶ (min)							
Specific gravity	3.4 ± 0.5							
Temp. Range (°C)	-30 to 90							
Hardness (Shore A)	93 ± 5							



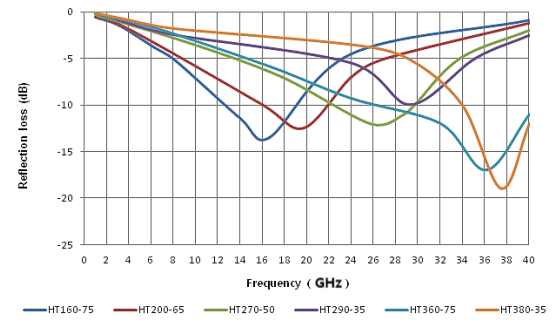
MS & MD Series

Items	MS35-230	MS50-150	MS60-120	MS80-100	MD30-250	MD40-270	MD140-250	MD200-100
Freq. range (GHz)	< 18.0				< 24.0			
Peak & Center Freq. (GHz)	3.5	5.0	6.0	8.0	3.0	4.4	14.0	20.0
Standard thickness (mm)	2.3	1.5	1.2	1.0	2.5	2.7	2.5	1.0
Standard size (mm)	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)							
Surface resistance (Ω)	1x10 ⁶ (min)							
Specific gravity	3.7 ± 0.7				3.4 ± 0.5			
Temp. Range (°C)	-30 to 90							
Hardness (Shore A)	93 ± 5							



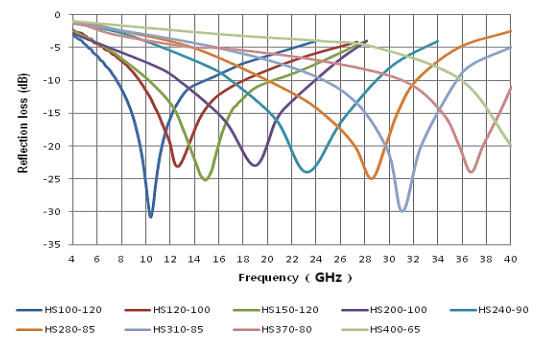
HT Series

Items	HT160-75	HT200-65	HT200-75	HT270-50	HT290-35	HT360-75	HT380-35
Freq. range (GHz)	< 24.0	< 28.0	< 40.0	< 35.0		< 40.0	
Peak & Center Freq. (GHz)	16.0	20.0	20.0	27.0	29.0	36.0	38.0
Standard thickness (mm)	0.75	0.65	0.75	0.5	0.35	0.75	0.35
Standard size (mm)	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)						
Surface resistance (Ω)	1×10^6 (min)						
Specific gravity	3.4 ± 0.5		4.0 ± 0.5		3.4 ± 0.5		
Temp. Range ($^{\circ}\text{C}$)	-30 to 90						
Hardness (Shore A)	93 \pm 5						



HS Series

Items	HS100-120	HS120-100	HS150-120	HS200-100	HS240-80	HS280-85	HS310-85	HS370-80	HS400-65
Freq. range (GHz)	< 20		< 26		< 32	< 36	< 40		< 45
Peak & Center Freq. (GHz)	10.2	12.5	15.0	19.0	24.0	28.0	31.0	37.0	40.0
Standard Thickness (mm)	1.2	1.0	1.2	1.0	0.8	0.85	0.85	0.8	0.65
Standard Size (mm)	S1 : 105 X 150 S2 : 150 X 210 S3 : 210 x 300 (A4 size)								
Surface resistance (Ω)	1×10^6 (min)								
Specific gravity	3.4 ± 0.5								
Temp. Range ($^{\circ}\text{C}$)	-30 to 90								
Hardness(Shore A)	93 \pm 5								



Selection Guide

MT70-100- S1

Absorber type

MT70
HT200

Thickness

75 : 0.75 mm
100 : 1.0 mm

Size

S1 : 105 X 150 mm
S2 : 150 X 210 mm
S3 : 210 X 300 mm (A4 Size)
S4 : 150 X 300 mm (For 2-Layer)

S1



S2



S3



S4

