

THF Series _Ultrahigh Frequency EMI Absorber Sheet (超高頻 EMI 吸波材)

THF Series: Microwave absorbing film application range

High impedance, high absorption percentage, high seismic strength, and acid and alkali resistance

High-frequency electromagnetic interference (EMI) countermeasures (such as satellite receiving system equipment... LNB) Radar cut-off (RCS) reduction, radar phantom elimination, antenna waveform adjustment.

Attenuate the reception of radar waves.

High frequency circuit noise waveform adjustment.

Prevent radiation interference from electronic equipment.

Various microwave electrical equipment.

Electromagnetic wave leakage prevention prevents unnecessary electronic interference.

Electromagnetic wave testing laboratory materials.

Computer peripheral accessories and card reader.

Shielding box.

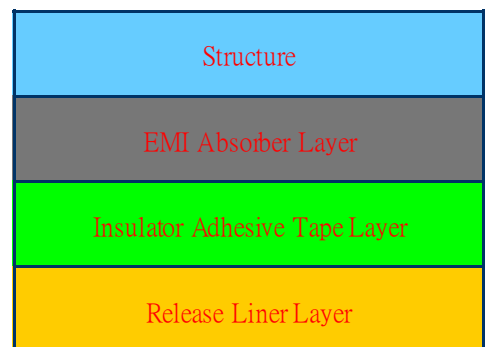
Measurement methods:

The reflection attenuation characteristics between 3 and 18 GHz were measured.

(in dB loss value)

Measuring instrument: HP8510B vector network analyzer.

Measurement method: This measurement method is based on the method of Appendix (1) of the US Military Regulation MIL-A-17161D (this measurement method is not direct contact between the emission signal and the absorbing material).



Product Name (產品型號)	<u>THF060</u>	<u>THF080</u>	<u>THF100</u>	<u>THF130</u>	<u>THF150</u>
Thickness (mm)(厚度)	0.6±0.12	0.8±0.12	1.00±0.12	1.30±0.15	1.50±0.15
Highest absorption Frequency(最高吸收頻率)	18.0GHz	18.0GHz	16.0GHz	12.0GHz	10.0GHz
Max. absorption frequency(最大吸收衰減值)	9.0dB	13.5dB	15.5dB	22.0dB	25.0dB
Application frequency (應用頻率)	K Band	K Band	Ku Band	X. Ku Band	X Band
Product Size (標準尺寸)	300 x 300mm				
Service temperature (°C) (工作溫度)	-60~80				
Density (g/cm ³)(密度)	3.8				

※ High impedance, high absorption percentage, high seismic strength, and acid and alkali resistance

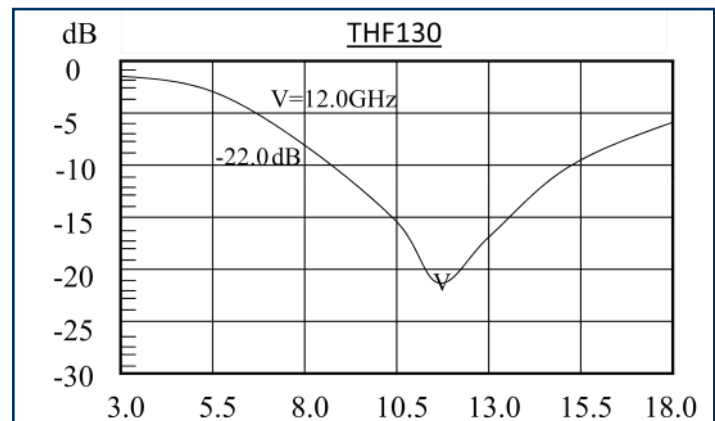
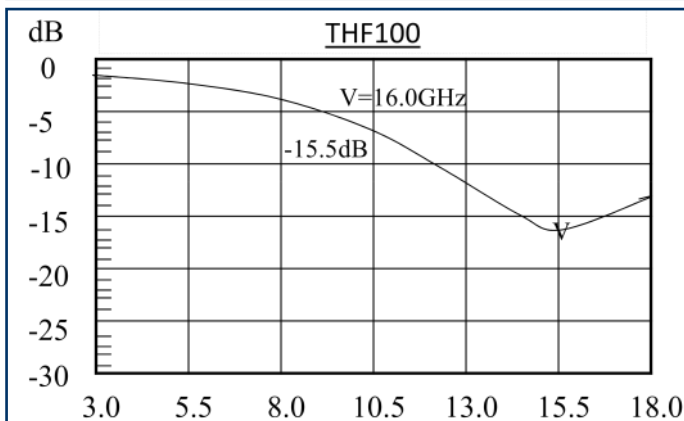
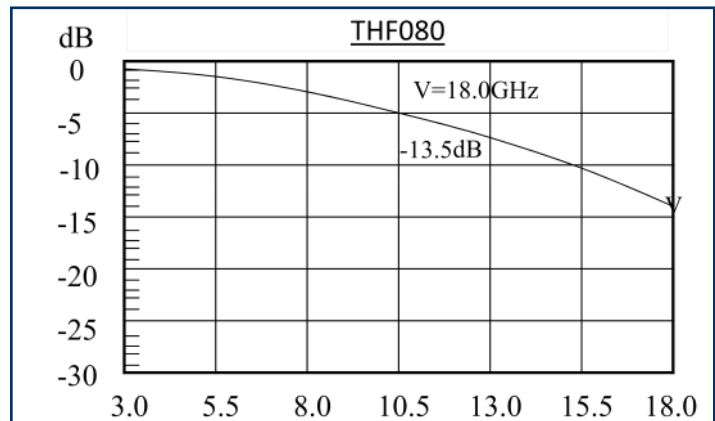
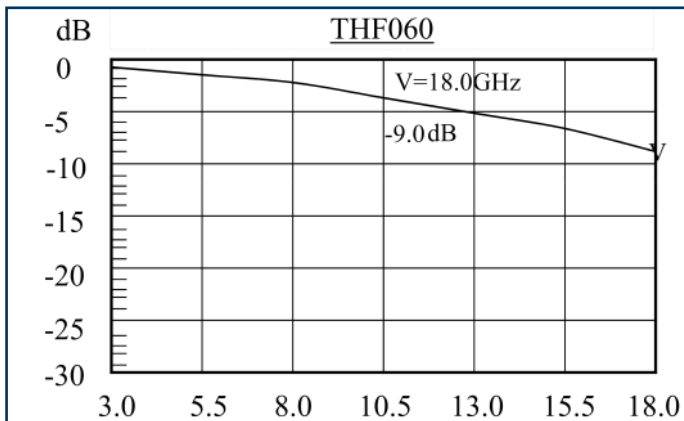
※ The above data is actual test value, not absolute value.

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Product Name (產品型號)	<u>THF200</u>	<u>THF250</u>	<u>THF300</u>	<u>THF250G</u>	<u>THF300G</u>
Thickness (mm)(厚度)	2.0±0.2	2.50±0.2	3.0±0.2	2.50±0.2	3.0±0.2
Highest absorption Frequency(最高吸收頻率)	7.5GHz	5.5GHz	4.2GHz	3.5GHz	3.0GHz
Max. absorption frequency(最大吸收衰減值)	25.0dB	26.0dB	18.0dB	21.0dB	36.0dB
Application frequency (應用頻率)	C. X Band	S. C Band	L. S. C Band	L. S. C Band	L. S. C Band
Product Size (標準尺寸)	300 x 300mm				
Service temperature (°C) (工作溫度)	-60~80				
Density (g/cm ³)(密度)	3.8				

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