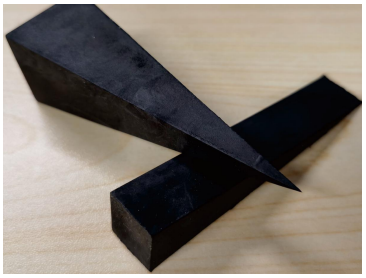
KLEBER

NYS-SORBER® KTP10004 Injection Molding Absorber

NYS-SORBER® KTP series absorber is developed to meet requirements of complex mechanical geometries, large volume production with high efficiency, and primarily working under millimeter RF range.

Making use of different polymer carriers and loaded with specially formulated magnetic ferrite, KTP series can effectively help improve antenna patterns and reduce intracavity resonance.

NYS-SORBER® KTP10004 has very good adaptability to ruggedized conditions, including wide temperature range, oil resistance and UL-94 V-0 inflammability. The magnetic fillers give the products excellent absorption performance when the incident angle is over 65 degrees.



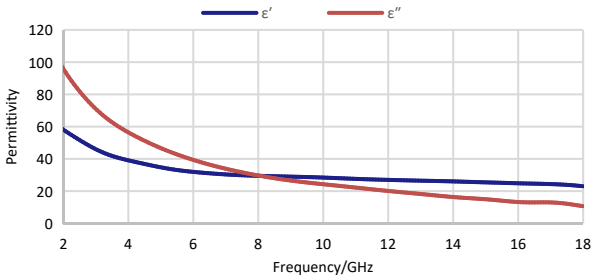
SPECIFICATIONS

Typical Performance	NYS-SORBER® KTP10004	Unit	Test Method
Color	Black	-	Visual
Resin System	PBT	-	-
Permittivity ε' (77GHz)	7.90	-	SJ20512-1995
Permittivity ε" (77GHz)	1.42	-	SJ20512-1995
Free Space Method-S21-2mm (77GHz)	-7.58	dB	NYDG-70/90 (Transmission method)
Insert Loss (77GHz)	77	dB/cm	Transmission method
Thermal Conductivity	0.28	W/(m-K)	ISO22007-2
Volume Resistivity	10^6	Ohm-cm	ASTM D257
Hardness	75	Shore D	ASTM D2240
Density	1.45	g/cm³	ASTM D792
Flammability	V-0	-	UL-94
Melting Point	210	℃	-
Working Temperature	-50~+160	℃	ASTM D1329

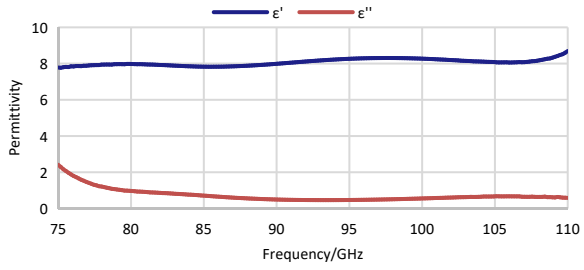
FEATURES & BENEFITS

- Low density.
- High loss.
- Broadband application.
- PBT based material with high reliability.
- Good molding property brings about high manufacturing efficiency and excellent price performance ratio.
- Environmentally friendly and meets RoHs and REACH requirement .

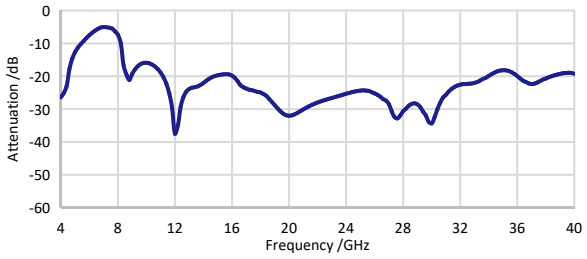
PERMITTIVITY (2~18GHz)



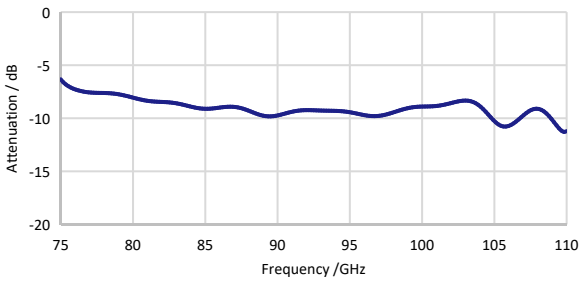
PERMITTIVITY (75~110GHz)



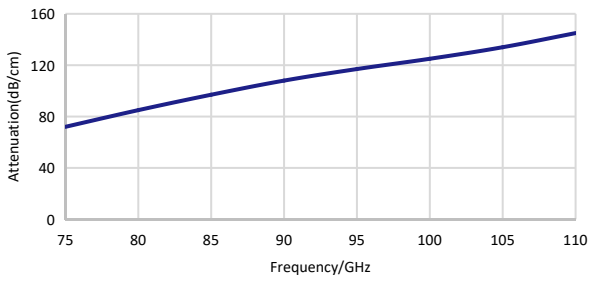
INSERSION LOSS BY FREE SPACE METHOD-S21-2MM (4~40GHz)



INSERSION LOSS BY FREE SPACE METHOD-S21-2MM (75~110GHz)



INSERT LOSS (dB/cm) (75~110GHz)



Declare
The recommendation and data furnished by Kleber is based on our experiment and experience to date.This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application.Kleber shall not be liable for their usage and processing. The technology data sheet is subject to change without notice. The final interpretation right of the contents of this specification belongs to Kleber.