



# POLYPROPYLENE (PP) BASED HYBRID PYRAMID ABSORBER 3700

Absorber optimized for in EMC chambers



Polypropylene (pp) based hybrid pyramid absorber is a product that is optimized to be used in a EMC chamber and is available in a different range of sizes. When used with ferrite tile 3600, the 3700 series has a broadband operating frequency range starting from 30 MHz and up to 40 GHz.

Due to the carbon powder synthesis technique the pyramids are having a high high uniformity of carbon powder density throughout the absorber. The product has almost no carbon dust, so applicable for clean test sites and it has low maintenance cost.

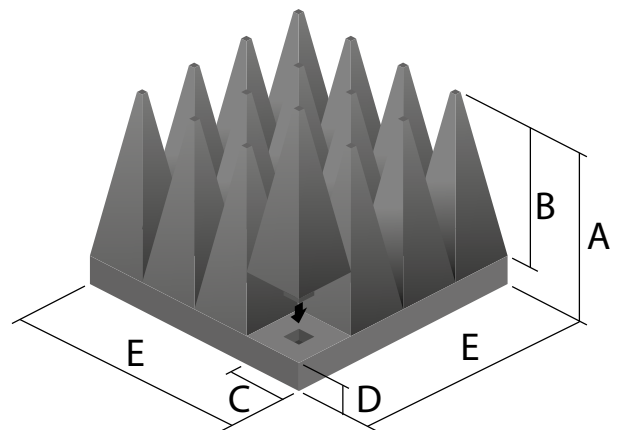
## MATERIAL CHARACTERISTICS

Color	Black
Material	Polypropylene (pp)
Shape	Pyramid
Power Handling Capacity	1.5 kW/ m2 or 752 V/m
Max service temperature	100°C
Cleanroom equipment suitability	ISO 14644 Class 4
Fire etardancy	UL94 HBF / DIN 4102 Class B2

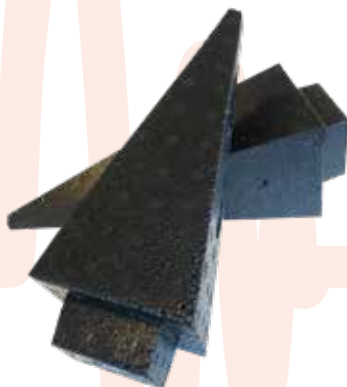
## FEATURES

- Polypropylene based hybrid absorber
- Unique carbon powder synthesis technology
- High uniformity of carbon powder density
- Provides repeatable and accurate test results
- Extremely low carbon dust emission
- Outstanding impedance matching with ferrite tiles
- Foam expansion molding manufacture system
- Eco friendly
- Water resistant
- Fire resistant
- light weight material
- Easy installation

## TECHNICAL DRAWING



Technical Datasheet



Revision date: 30-01-23

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### PHYSICAL PROPERTIES

Partnumber	Weight (kg)	No. of Tips	Type	Absorber Dimensions (mm)				
				A	B	C	D	E
3700-100	0.68 0.17)	144 36)	Single unit	100	70	50	30	600 (300)
3700-200	1.10 0.27)	64 16)	Single unit	200	170	75	30	600 (300)
3700-300	1.60	36	Plug & Pull	300	260	100	40	600
3700-500	2.60	16	Plug & Pull	500	440	150	60	600
3700-750	3.80	9	Plug & Pull	750	670	200	80	600

Due to the characteristics of polypropylene material, the dimensional tolerances of 5mm may be occurred during transportation.

### TYPICAL REFLECTIVITY

Part number	30 MHz	50 MHz	100 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	28 GHz	40 GHz
3700-300	-18	-26	-23	-17	-15	-18	-23	-27	-32	-40	-45
3700-500	-19	-26	-23	-19	-20	-25	-28	-36	-43	-45	-50
3700-750	-21	-25	-23	-21	-24	-29	-33	-40	-47	-50	-50