

RF ABSORBERS EHP High Performance Microwave Pyramidal Absorber

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Whether you need just a few pieces of absorber or a complete turnkey chamber, we have the experience and resources to help you with the right solution.

Key Features

- Numerically Optimized Design
- Fire Retardant

Specifications

Electrical Specifications

Maximum Power Density: 775 W/m², 77.5 mW/cm², 0.5 W/in²

Frequency Range by Model

Model	Frequency Minimum	Frequency Maximum
EHP-3PCL	4 GHz	40 GHz
EHP-5PCL	2 GHz	40 GHz
EHP-8PCL	1 GHz	40 GHz
EHP-12PCL	1 GHz	40 GHz
EHP-18PCL	500 MHz	40 GHz
EHP-24PCL	200 MHz	40 GHz
EHP-36PCL	80 MHz	40 GHz
EHP-48PCL	80 MHz	40 GHz
EHP-72PCL	80 MHz	40 GHz

Maximum Reflections at Normal Incidence

	80 MHz	120 MHz	200 MHz	300 MHz	500 MHz	1-2GHz	2-4 GHz	4-8 GHz	8-12 GHz	12-18 GHz	18-40 GHz
EHP3PCL								-30 dB	-40 dB	-45 dB	-45 dB
EHP5PCL							-30 dB	-40 dB	-45 dB	-50 dB	-50 dB
EHP8PCL						-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB
EHP12PCL						-35 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB
EHP18PCL					-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP24PCL			-20 dB	-30 dB	-35 dB	-40 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP36PCL	-11 dB	-13 dB	-25 dB	-30 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP48PCL	-15 dB	-20 dB	-30 dB	-35 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB
EHP72PCL	-20 dB	-30 dB	-40 dB	-40 dB	-45 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB	-50 dB

Physical Specifications

Adhesive: Yes

Clip: Yes

Color: Rantec Blue

Environmental Temperature: 22° C ± 10° C (70° F ± 20° F) Maximum

Service Temperature: 90° C (190° F)

Ratings, Fire Retardant: NRL 8093 Tests 1, 2 & 3, TI #2693066, MIT MS-8-21, UL 94 and DIN 4102-B2

Specifications Relative Humidity: 50% ± 20%

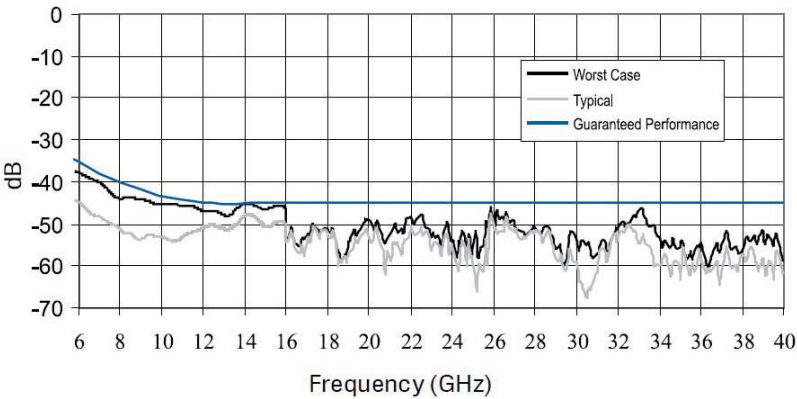
Velcro: 45.72 cm (18 in)

Dimensions by Model

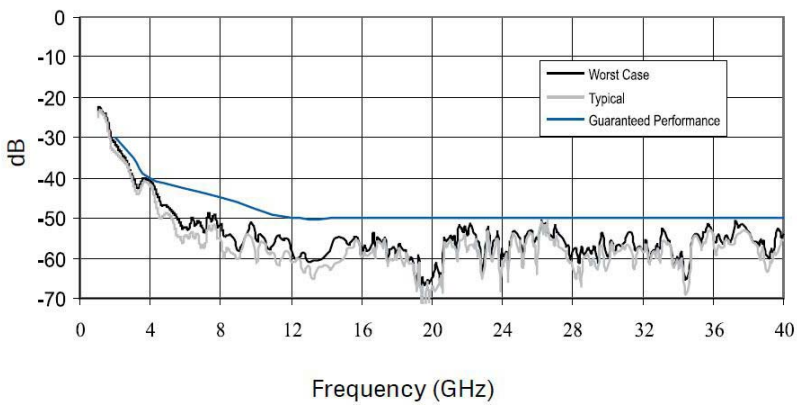
Model	Absorber Footprint	Pyramids per Absorber	Base Height	Overall Height	Pyramid Height	Weight
EHP-3PCL	24 in x 24 in	256	1.9 cm (0.75 in)	8.25 cm (3.25 in)	6.4 cm (2.52 in)	1 kg (2.20 lb)
EHP-5PCL	24 in x 24 in	144	2.5 cm (0.98 in)	12.7 cm (5.00 in)	6.4 cm (2.52 in)	1.6 kg (3.53 lb)
EHP-8PCL	24 in x 24 in	64	5.1 cm (2.01 in)	21.6 cm (8.50 in)	16.5 cm (6.50 in)	2.8 kg (6.17 lb)
EHP-12PCL	24 in x 24 in	36	5.7 cm (2.24 in)	31.1 cm (12.24 in)	25.4 cm (10.00 in)	4.6 kg (10.14 lb)
EHP-18PCL	24 in x 24 in	16	5.7 cm (2.24 in)	46.4 cm (18.27 in)	40.6 cm (15.98 in)	4.6 kg (10.14 lb)
EHP-24PCL	24 in x 24 in	9	10.2 cm (4.02 in)	61.0 cm (24.02 in)	50.8 cm (20.00 in)	6.1 kg (13.45 lb)
EHP-36PCL	24 in x 24 in	4	15.2 cm (5.98 in)	91.4 cm (35.98 in)	76.2 cm (30.00 in)	9.5 kg (20.94 lb)
EHP-48PCL	24 in x 24 in	4	20.3 cm (7.99 in)	121.9 cm (47.99 in)	101.6 cm (40.00 in)	11.3 kg (24.91 lb)
EHP-72PCL	24 in x 24 in	1	30.5 cm (12.01 in)	182.9 cm (72.01 in)	152.4 cm (60.00 in)	15.9 kg (35.05 lb)

Product Charts

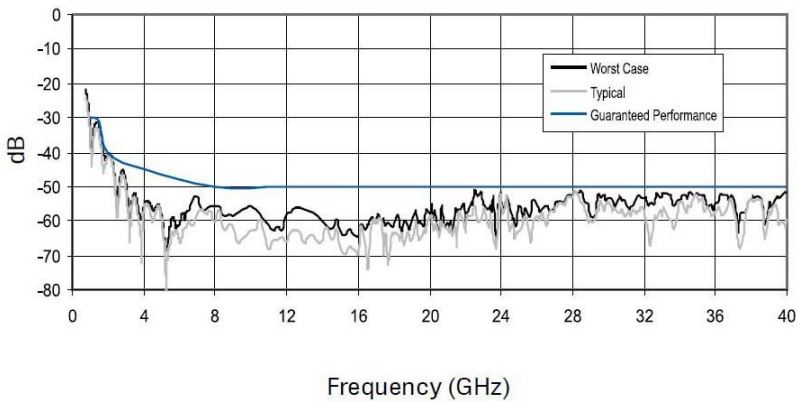
EHP-3PCL
Measured Reflections
at Normal Incidence



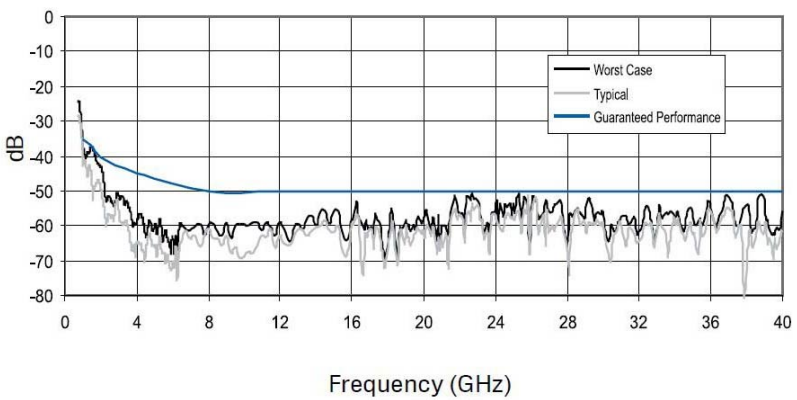
EHP-5PCL
Measured Reflections
at Normal Incidence



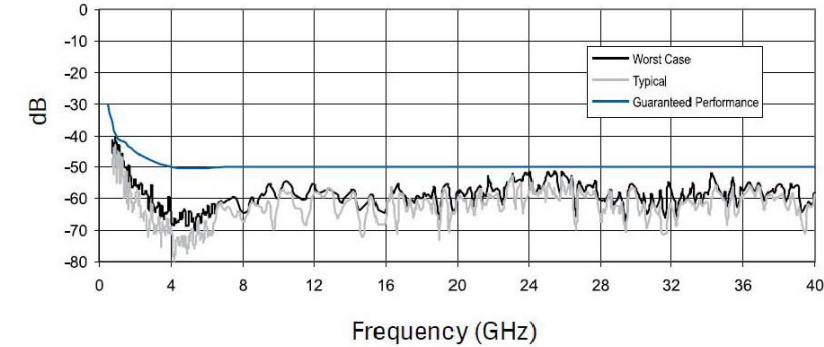
EHP-8PCL
Measured Reflections
at Normal Incidence



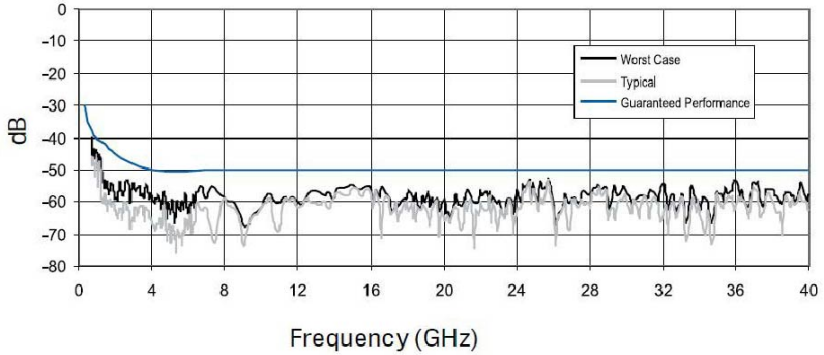
EHP-12PCL
Measured Reflections
at Normal Incidence



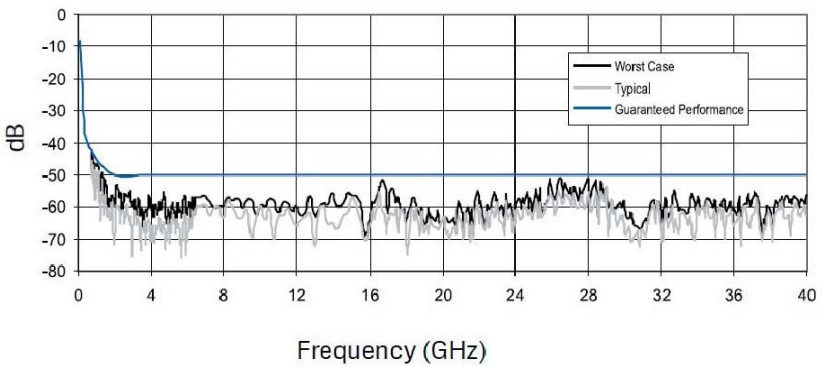
EHP-18PCL
Measured Reflections
at Normal Incidence



EHP-24PCL
Measured Reflections
at Normal Incidence



EHP-36PCL
Measured Reflections
at Normal Incidence



EHP-48PCL
Measured Reflections
at Normal Incidence

