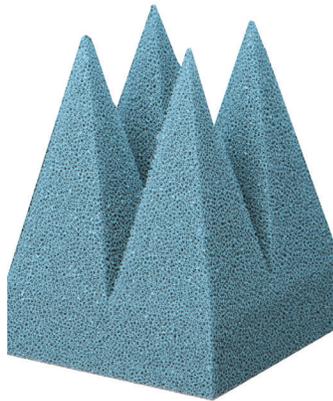


# ABSORBER MODEL FF FILTER FOAM ABSORBER



**ETS-Lindgren's FF Filter Foam/Vent Absorber** is similar in appearance and geometry to conventional ETS-Lindgren pyramidal and wedge type materials, and is tested to the same rigid specifications. Normal incidence and wide-angle performance are similar to the conventional EHP series absorbers.

Filter Foam absorbers are designed using open cell/reticulated polyurethane foam substrates. The large pore size allows for easier airflow through the absorbers. They can be used over air vents. An added feature of the Filter Foam/Vent Absorber is that it handles more RF power because the open cell design allows for better heat release. The FF-12 PCL absorbers can handle more than 1.55 kW/m<sup>2</sup> of power under room temperatures (25°C) without forced air. With additional airflow, it can handle up to 10 times the power density of conventional foam absorbers.

### Fire Standards

- NRL 8093 Tests 1, 2 and 3
- UL 94
- DIN 4102-B2

### MODEL FF-36-PCL

- Non-Hygroscopic Substrate
- 1.0 W/in<sup>2</sup> Power Handling Capability
- Reflectivity Performance Testing
- Fire Retardant

### Technical Specifications

#### Electrical Specifications

Model	Frequency Minimum	Frequency Maximum	Power Handling
FF-3PCL	4 GHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-5PCL	2 GHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-8PCL	1 GHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-12PCL	1 GHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-18PCL	500 MHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-24PCL	200 MHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )
FF-36PCL	80 MHz	40 GHz	1.0 W/in <sup>2</sup> (1.55 kW/m <sup>2</sup> )

### Max Reflections

Model	80 MHz	120 MHz	220 MHz	300 MHz	500 MHz	1-2 GHz	2-4 GHz	4-8 GHz	8-12GHz	12-18 GHz	18-40 GHz
FF-3PCL								-25 dB	-35 dB	-40 dB	-40 dB
FF-5PCL								-25 dB	-35 dB	-40 dB	-45 dB
FF-8PCL						-25 dB	-35 dB	-40 dB	-45 dB	-45 dB	-45 dB
FF-12PCL						-30 dB	-35 dB	-40 dB	-45 dB	-45 dB	-45 dB
FF-18PCL					-25 dB	-35 dB	-40 dB	-45 dB	-45 dB	-45 dB	-45 dB
FF-24PCL			-15 dB	-25 dB	-30 dB	-35 dB	-45 dB	-45 dB	-45 dB	-45 dB	-45 dB
FF-36PCL	-6 dB	-8 dB	-20 dB	-25 dB	-35 dB	-40 dB	-45 dB	-45 dB	-45 dB	-45 dB	-45 dB

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Physical Specifications	
Model	Overall Height
FF-3PCL	7.6 cm (2.99 in)
FF-5PCL	12.7 cm (5.00 in)
FF-8PCL	21.6 cm (8.50 in)
FF-12PCL	31.1 cm (12.24 in)
FF-18PCL	46.4 cm (18.27 in)
FF-24PCL	61 cm (24.02 in)
FF-26PCL	66 cm (25.98 in)
FF-36PCL	91.4 cm (35.98 in)