

CRV Curvilinear Microwave Absorber



ETS-Lindgren Curvilinear Absorber is an advanced new RF absorber product that is optimized for broadband reflection suppression. It is specially designed for chamber backwalls and other "hot spots" that require a higher attenuation at normal incidence than equally-sized, conventional absorber provides.

This curvilinear absorber preserves an anechoic chamber's High frequency performance and extends the usable lower range down to 300 MHz, without the use of more expensive ferrite tiles. For both retrofits and new installations, ETS-Lindgren's curvilinear absorber can improve performance and maximize available work space.

Key Features

- Critical Region Absorber Treatment for Compact Range and Other Antenna Measurements
- 500 V/m Maximum Power Handling Capability
- Improved Low Frequency Reflection Suppression Performance
- FlexSorb option available

Specifications

Physical Specifications

Dimensions by Model

Model	Overall Height	Base Height	Pyramid Height	Pyramids Per Absorber	Weight
CRV-15PCL	38.1 cm (15.00 in)	5.1 cm (2.01 in)	33.0 cm (12.99 in)	36	4.2 kg (9.26 lb)
CRV-23PCL	58.4 cm (22.99 in)	13.8 cm (5.43 in)	44.6 cm (17.56 in)	16	6 kg (13.23 lb)
CRV-40PCL	101.6 cm (40.00 in)	20.3 cm (7.99 in)	81.3 cm (32.01 in)	1	0.8 kg (1.76 lb)
CRV-60PCL	152.4 cm (60.00 in)	30.5 cm (12.01 in)	121.9 cm (47.99 in)	1	2.8 kg (6.17 lb)
CRV-67PCL	170.2 cm (67.01 in)	12.7 cm (5.00 in)	157.2 cm (61.89 in)	4	13.6 kg (29.98 lb)

Electrical Specifications

Power Handling: 200 V/m CW

Frequency Range by Model

Model	Frequency Minimum	Frequency Maximum
CRV-15PCL	500 MHz	40 GHz
CRV-23PCL	200 MHz	40 GHz
CRV-40PCL	200 MHz	40 GHz
CRV-60PCL	100 MHz	40 MHz
CRV-67PCL	80 MHz	40 GHz

Product Options

Optional FlexSorb™ Treatment

With FlexSorb, you can enjoy the same excellent performance characteristics as our traditional absorbers, with the advantages of improved durability. FlexSorb is a special absorber treatment that allows an absorber to bend but not break. It's ideal for high traffic areas like chamber doorways and interior walls, or for tests that require an anechoic floor treatment. And, being that FlexSorb is also non-hygroscopic: its weight does not change in the presence of atmospheric moisture.