

## EPP Broadband Absorber

EPP (Expanded Polypropylene) possesses low density, high energy absorption, and excellent elastic recovery properties, making it an ideal choice for various applications. Use for RF, EMC, OTA, CATR, radar, aerospace, aviation, automotive, communication, satellite, semiconductor, antenna, EM, broadband anechoic chamber, to bring

- Snap fit design for quick installation and correct alignment, stackable, impact resistible
- Low moisture absorbability and high humidity environment suitability
- Dust-free process ensures a clean environment Class level 8
- NRL 8093, UL94 HBF, ISO 4589-2 compliance
- RoHS & REACH compliance



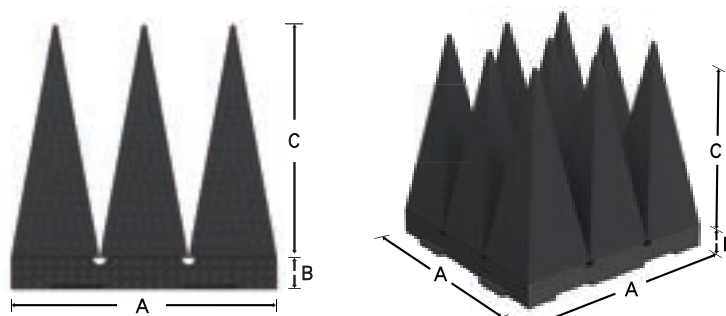
### Characteristics

Item	Description	Reference
Operation temperature (°C)	-15 to +60	IEC 60068-2-1
Humidity range (%)	30 to 70	AATCC 30-IV
Power density susceptibility (V/m)	750	DO-160, IEC 61000-4-3
ESD susceptibility (kV)	16	IEC 61000-4-2
ISO dust-free (Class)	8, Class 100,000	ISO 14644-1, STD 209E
Waterproof rating	IPX5	IEC 60529
Fire-retardant performance	Compliance	UL-94-HBF ISO 11925-2/E NRL 8093 Tesr 1 and 3
RoHS	Compliance	EU 2015/863 (RoHS 2.0)
REACH	Compliance	EC 1907/2006



### Atenlab Corporation

6F., No.8, Aly.15, Ln.120, Sec.1, Neihu Rd., Neihu Dist., Taipei City 114, Taiwan  
 T : +886 2 2799 8715 F : +886 2 2799 8915 E : atenlab@atenlab.com.tw



### Physical Properties

Unit : cm, ±10%

Model	Dimension (AxA)	Base height (B)	Cone height (C)	Height(B+C)	Number of cones
AB-X503	30 x 30	3.0	0	3.0	Plate
AB-X106	30 x 30	2.0	4.0	6.0	144(12x12)
AB-X110	60 x 60	2.0	8.0	10.0	256(16x16)
AB-X120	60 x 60	3.0	17.0	20.0	81(9x9)
AB-X130	60 x 60	3.0	27.0	30.0	36(6x6)
AB-X145	60 x 60	4.0	41.0	45.0	16(4x4)
AB-X160	60 x 60	7.0	53.0	60.0	9(3x3)

### Reflectivity

Unit : dB, ±10%

Model	0.01 GHz	0.1 GHz	0.3GHz	1GHz	3GHz	6GHz	10GHz	18GHz	40GHz
AB-X106	-2	-2	-3	-8	-18	-28	-35	-38	-45
AB-X110	-2	-3	-5	-15	-25	-35	-40	-45	-50
AB-X120	-3	-5	-10	-20	-30	-40	-45	-48	-50
AB-X130	-12	-19	-20	-30	-40	-45	-48	-50	-50
AB-X145	-13	-21	-22	-38	-45	-48	-50	-50	-50
AB-X160	-14	-22	-25	-40	-48	-48	-50	-50	-50

