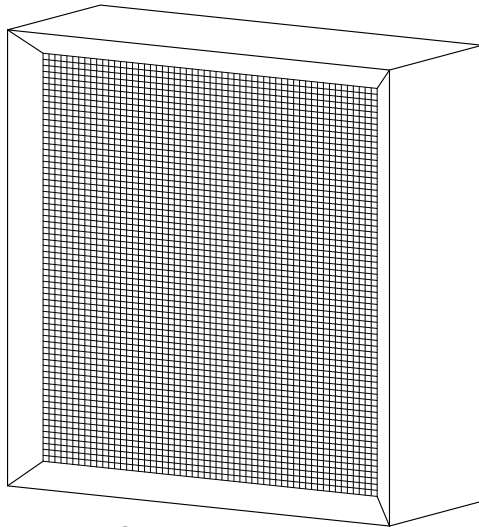


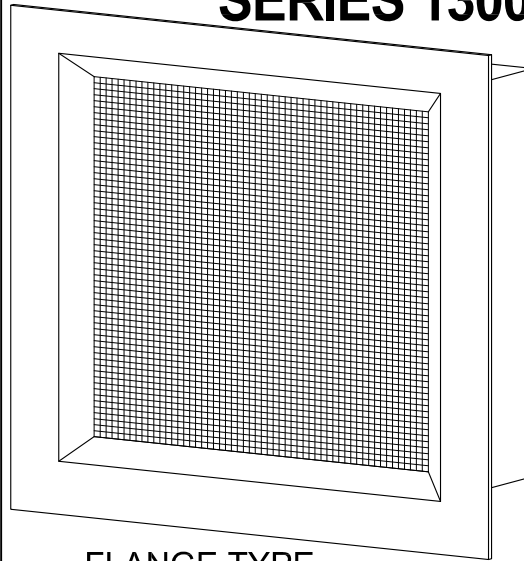
R.F. WAVEGUIDE FILTERS

SERIES 1200



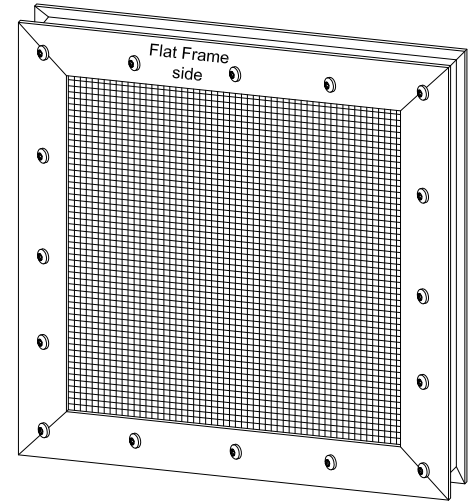
DUCT TYPE

SERIES 1300



FLANGE TYPE

SERIES 1400



HAT & FLAT FRAME TYPE

FEATURES

- Blocks out Electromagnetic Radiation from shielded enclosures while permitting efficient air flow for ventilation, heating or cooling.
- Attenuation covers the entire radar frequency range
- All soldered construction.
- Standard or custom sizes. special assemblies to order

USC ATTENU-DUCT® R.F. waveguide-type filters are designed to provide maximum cooling and ventilation without degrading the electromagnetic shielding efficiency of the enclosure. They are normally used to maintain shielding efficiency and provide maximum protection for personnel and sensitive electronic equipment in shielded enclosures equipment racks and/ or buildings physically located in or near high-powered radar installations.

Series 1200/1300/1400 ATTENU-DUCTS® are made of light-weight steel, hexangular honeycombed and soldered. They are available in three types: Flange Type for assembly into floor or ceiling panels in shielded enclosure; Duct Type for assembly into ventilation and cooling air duct systems; and Hat & Flat frame type are designed to be installed into a modular type R.F. shielded enclosure.

SPECIFICATIONS

ATTENUATION:	100DB from 14 KHz to 10 GHz when subject to electrical fields and plane waves
MATERIAL & SIZE:	Continuously soldered, hexangular honeycomb cells -- 0.0077" steel, 3/16" nominal -- 1" deep. Outside frame -- 11 gauge steel
FRAME:	11 gauge steel electro-zinc plated.
FINISH:	Hot-tin dip or galvanized finish. <u>Hot-tin dip finish</u> is recommended when the ATTENU-DUCT [®] s soft-soldered into position. Galvanized finish is used for maximum resistance to humidity. Galvanized ATTENU-DUCT [®] are brazed in place or assembled with conductive gaskets.
STATIC PRESSURE:	Maximum head loss of 0.1 inches of water at 1200 ft./minute air velocity.

ATTENU-DUCT[®]
R.F. WAVEGUIDE
AIRVENTS SPECIFICATIONS

UNIVERSAL SHIELDING CORP.



20w. JEFYRN BOULEVARD
 DEER PARK, N.Y. 11729
 PHONE {631} 667-7900 FAX {631} 667-7912
 E-MAIL: INFO@UNIVERSALSHIELDING.COM



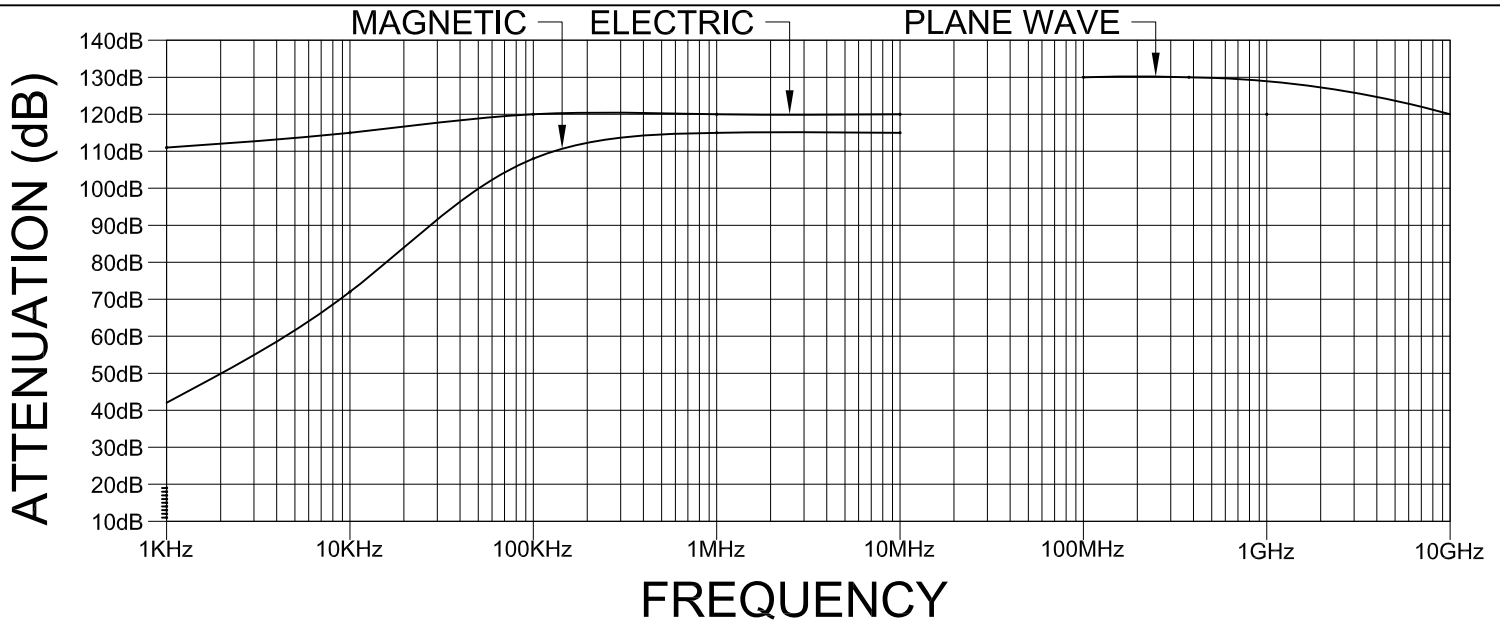
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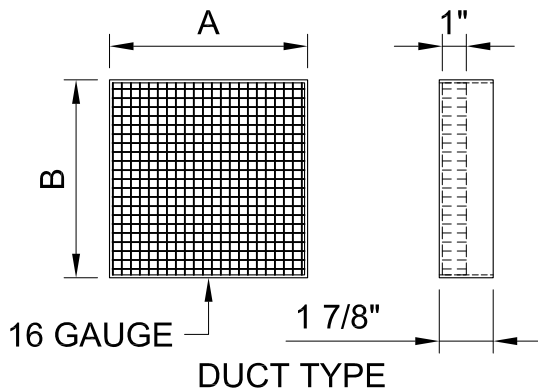
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DRAWING # USC-1200/1300-SP-1

INSERTION LOSS VALUES OF ATTENU-DUCTS[®] SERIES 1200/1300

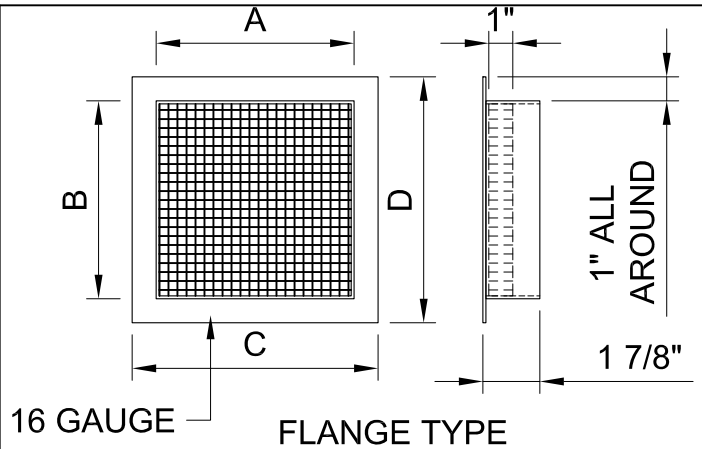


STANDARD ATTENU-DUCTS[®] SIZES



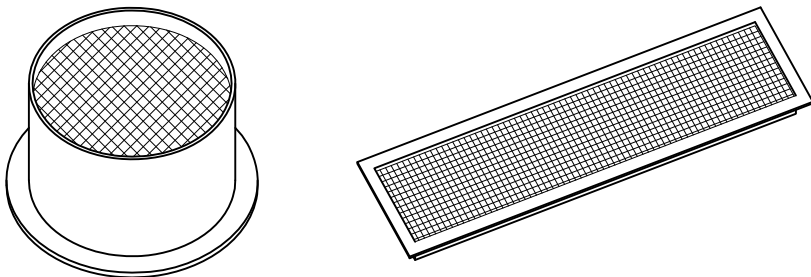
SERIES 1200-D ATTENU-DUCTS

PART NO.	DIMENSION IN INCHES	
	A	B
1200-D-A	6-1/4	6-1/4
1200-D-B	12-1/4	12-1/4
1200-D-C	12-1/4	24-1/4
1200-D-D	24-1/4	24-1/4
1200-D-E	24-1/4	36-1/4
1200-D-F	24-1/4	48-1/4



SERIES 1300-F ATTENU-DUCTS

PART NO.	DIMENSION IN INCHES			
	A	B	C	D
1300-F-A	6-1/4	6-1/4	8-1/4	8-1/4
1300-F-B	12-1/4	12-1/4	14-1/4	14-1/4
1300-F-C	12-1/4	24-1/4	14-1/4	26-1/4
1300-F-D	24-1/4	24-1/4	26-1/4	26-1/4
1300-F-E	24-1/4	36-1/4	26-1/4	38-1/4
1300-F-F	24-1/4	48-1/4	26-1/4	50-1/4



SPECIAL SIZES, SHAPES AND ASSEMBLIES TO ORDER

R.F. WAVEGUIDE AIRVENTS SPECIFICATIONS

UNIVERSAL SHIELDING CORP.



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SCALE: N.T.S.

DRAWN BY: ALFONSO N

DATE: 03-13-15

DRAWING # USC-1200/1300-SP-1