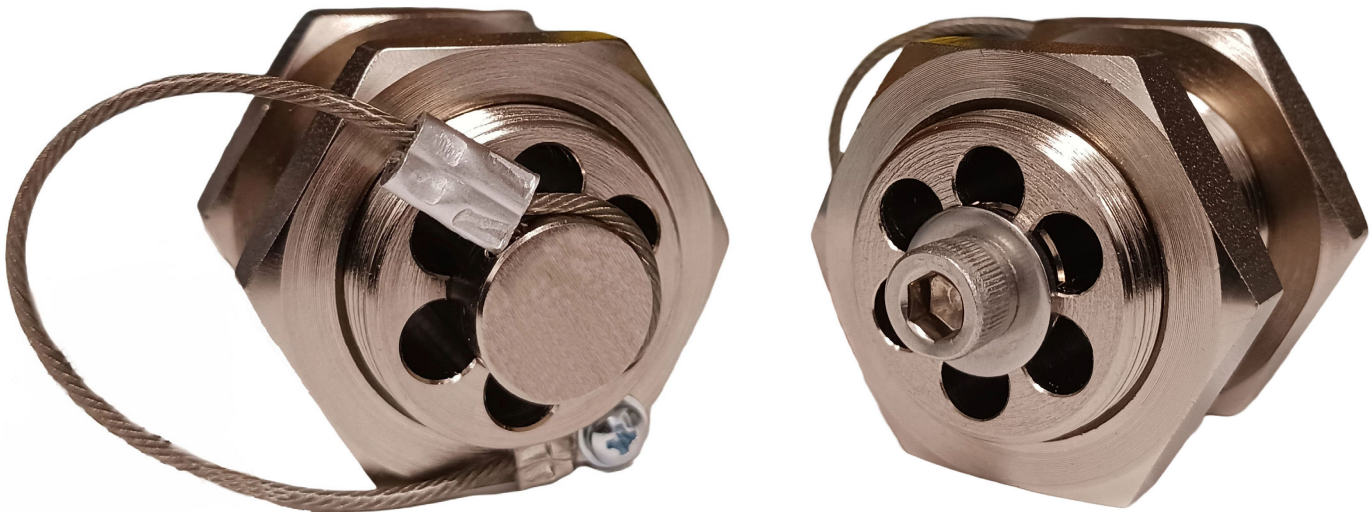


Fiber Waveguide Interface

STEWGF-6



Overview

The STEWGF-6 is a 6 channel waveguide filter. It will allow up to 6 pre-terminated fiber optic cables to be installed through an RF isolation chambers wall while maintaining RF isolation of that chamber.

Applications

- The primary applications are for use in RF Shielded Test Enclosures or Screen Rooms.

Features

- Allows up to 6 fiber optic cables with attached connectors.
- Uses waveguide cutoff principles to provide a high level of RF isolation.
- Removable plug allows easy access for changing fiber optic cables.
- Lanyard keeps removable plug attached to the STEWGF-6's mounting nut.

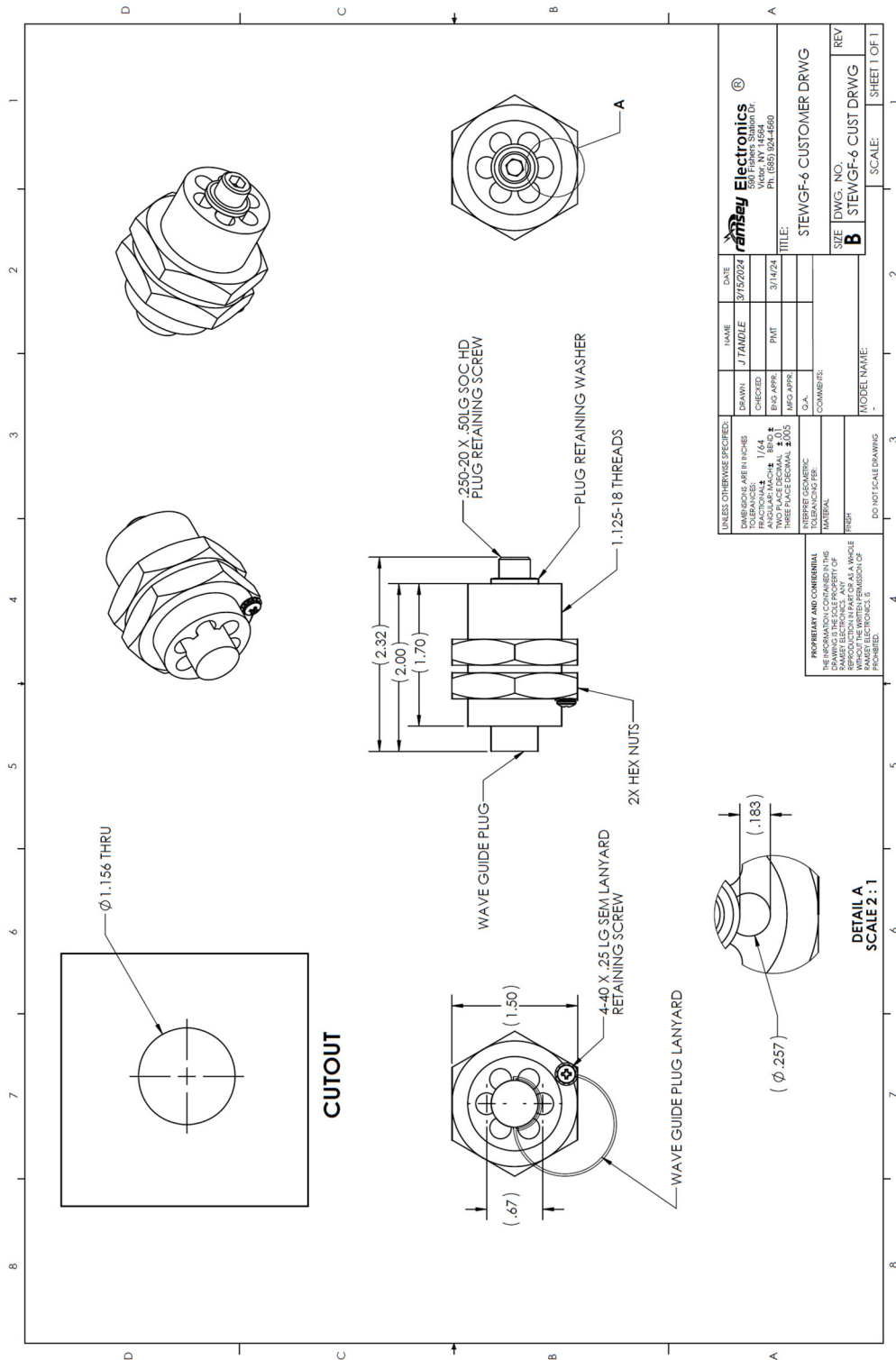


Electrical:

Cutoff Frequency:	27GHz.
Theoretical Attenuation:	
100MHz:	179dB .
4GHz	179dB .
10GHz:	165dB.
15GHz	147dB.
18GHz:	131dB.

Physical:

Waveguide Bores:	6 Separate Bores for Fiber Optic Cables.
Effective Length:	1.5" (38 mm).
Overall Length:	2.125" (54 mm).
Bore Dimensions (each):	0.257" x 0.159"(6.5mm x 4.0 mm).
Bore Plug Diameter:	0.5" (12.7 mm).
Plug Retaining Screw:	1/4"-20 x 1/2, 3/16" Hex Head.
Lanyard Retaining Screw:	#4-40 x 1/4", 3/16" Pan Head.
Recommended Cutout:	1.156" (29.5 mm).
Maximum Panel Thickness:	0.950" (24.1mm).
Weight:	0.5lbs (0.23Kg).
Material:	Steel.
Plating:	Electroless Nickel Finish.
Gasket:	Washer Gasket.



UNLESS OTHERWISE SPECIFIED:	NAME	DATE	 Ramsey Electronics® 590 Fishers Station Dr Victor, NY 14564 (585) 924-4560
DIMENSIONS ARE IN INCHES FRACTIONALS $\frac{1}{16}$ & $\frac{1}{8}$ DECIMALS $\pm .01$ TWO PLACE DECIMAL $\pm .005$ THREE PLACE DECIMAL $\pm .000$	J TANDLE	3/15/2024	
INTERPRET DIMENSIONS UNLESS OTHERWISE SPECIFIED TO USE MATERIAL	CHECKED	3/14/24	TITLE: STEWGF-6 CUSTOMER DRWG
FINISH DO NOT SCALE DRAWING	ENG APPR		SIZE DWG. NO. B STEWGF-6 CUST DRWG
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RAMSEY ELECTRONICS. REPRODUCTION OR REUSE OF THIS DRAWING WITHOUT THE PERMISSION OF RAMSEY ELECTRONICS IS PROHIBITED.	MFG APPR		SCALE: SHEET 1 OF 1
	G.A.		MODEL NAME: -
	COMMENTS:		

The information in this datasheet, although believed to be accurate, is not to be taken as warranty for which Ramsey Electronics assumes legal responsibility. Ramsey Electronics reserves the right to make changes, corrections, and improvements to its products and/or this document at anytime without notice.