

Rectangular Waveguide Straight Sections WSS Series

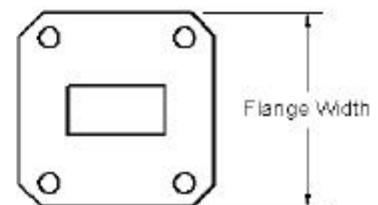
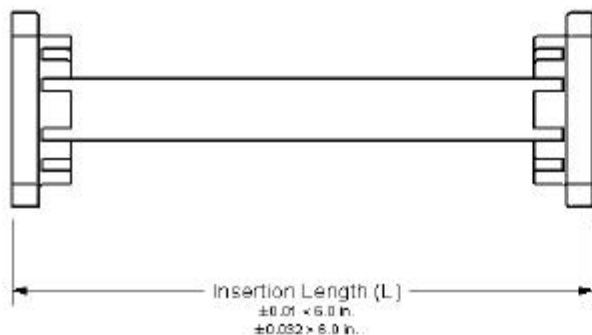


Waveguide Straight Sections

ALLEN AVIONICS offers a standard (WSS SERIES) product line of WAVEGUIDE STRAIGHT SECTIONS covering the entire frequency range for different waveguide sizes from WR-650 to WR-42. Almost any combination of flanges is offered based on the customer specifications. These units have a typical VSWR of 1.05:1 max. They are widely used in commercial applications.

Allen Avionics Waveguide Straight Sections are normally constructed using Rectangular Brass Waveguide but Copper, Aluminum and Invar are also available.

MODEL #	WAVEGUIDE SIZE	FREQUENCY RANGE (GHz)
WSS / WR650 / ...	WR-650	1.12 – 1.70
WSS / WR430 / ...	WR-430	1.70 – 2.60
WSS / WR340 / ...	WR-340	2.20 – 3.30
WSS / WR284 / ...	WR-284	2.60 – 3.95
WSS / WR229 / ...	WR-229	3.30 – 4.90
WSS / WR187 / ...	WR-187	3.95 – 5.85
WSS / WR159 / ...	WR-159	4.90 – 7.05
WSS / WR137 / ...	WR-137	5.85 – 8.20
WSS / WR112 / ...	WR-112	7.05 – 10.0
WSS / WR102 / ...	WR-102	7.00 – 11.0
WSS / WR90 / ...	WR-90	8.20 – 12.4
WSS / WR75 / ...	WR-75	10.0 – 15.0
WSS / WR62 / ...	WR-62	12.4 – 18.0
WSS / WR51 / ...	WR-51	15.0 – 22.0
WSS / WR42 / ...	WR-42	18.0 – 26.5



MODEL DESIGNATION

Code	Description
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1	Series (WSS)
2	Waveguide Size
3	Insertion Length, L (in.)
4	Flange Code (Input/Output) (see chart)
5	Material (AL) (BR)

SAMPLE

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
WSS/	WR75/	3.0/	CF/FS/	BR

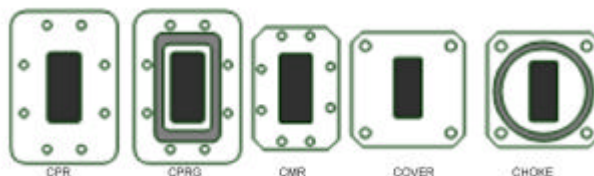
COMPLETE PN=
WSS/WR75/3.0/CF/FS/BR

Contact Factory With Your Specific Needs For:

- Electrical Performance
- Mechanical Configuration
- Insertion Loss

FLANGE CODE CHART

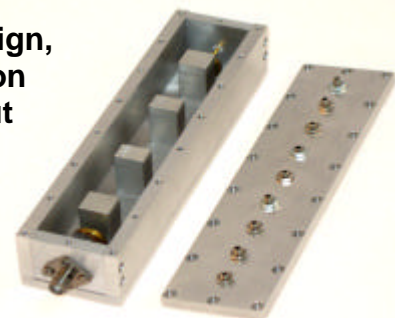
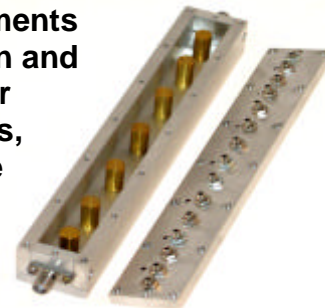
Flange Style	Connector Code
CPR Flange	CPR
CPRG Flange	CPRG
CMR Flange	CMR
Cover Flange	CF
Choke Flange	CH



ALLEN AVIONICS INC manufactures many other types of microwave Filters. Our engineers will help you pick the right filter to meet all the requirements you have for performance, size and cost. Our advanced simulation and modeling software will design and do optimization of Circular Post Coupled filters, Metal-Insert Filters, Iris Coupled Filters, Comblaine and Interdigital Filters. All of our Filters can be custom designed for your application and we offer fast prototypes. No need to wait five or six weeks to test your idea or check your system.



Allen Avionics Inc. started in 1960 And has 49 years experience in design, Production, quality and they use it on every product they make. Check out the Allen Avionics web site for all their products.
www.allenavionics.com



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