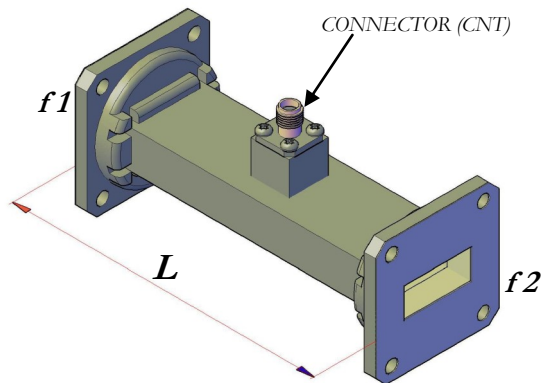


Rectangular Waveguide Power Sampler



Model	WR #	Frequency (GHz)	Length (L)
WSP28-	28	26.50 - 40.00	2.00
WSP34-	34	22.00 - 33.00	2.00
WSP42-	42	18.00 - 26.50	2.00
WSP51-	51	15.00 - 22.00	2.00
WSP62-	62	12.40 - 18.00	2.50
WSP75-	75	10.00 - 15.00	2.50
WSP90-	90	8.20 - 12.40	2.50
WSP102-	102	7.00 - 11.00	2.50

Model	WR #	Frequency (GHz)	Length (L)
WSP112-	112	7.05 - 10.00	2.50
WSP137-	137	5.85 - 8.20	2.50
WSP159-	159	4.90 - 7.05	3.00
WSP187-	187	3.95 - 5.85	3.00
WSP229-	229	3.30 - 4.90	3.50
WSP284-	284	2.60 - 3.95	4.00
WSP340-	340	2.20 - 3.30	4.00
WSP430-	430	1.70 - 2.60	4.00

Space Machine offers a standard product line of power samplers covering waveguide sizes WR28 thru WR430. These devices are used for monitoring power when directivity is not a concern. Main line VSWR is held to 1.10:1 maximum over the full waveguide band. While coupling variation is held to ± 1 dB. Additional sizes and configurations are available upon request.

Ordering Information:

Waveguide Power Sampler, WR112, Aluminum, 40dB Coupling, SMA Female, Cover / Cover Flanges, Chromated, Paint Space Machine Gray.

Example part number:

WSP **wr** **-m** **c** **cnt** **-f1 f2** **-p** **f**
WSP 112 -A 40 SF -01 01 -C P

Series (WSP):

Waveguide Size (wr): WR28 thru WR430

Material (-m): A – Aluminum, B – Bronze, C – OFHC Copper, O - Other

Coupling (c): 30 - 60 dB

Connector (cnt): See [Appendix E](#)

Flange (-f1 f2): See [Appendix G](#)

Plating (-p): C – Chromate, S – Silver, G – Gold, O – Other, N – None

Finish (f): P – Paint Space Machine Gray, N – None, O – Other