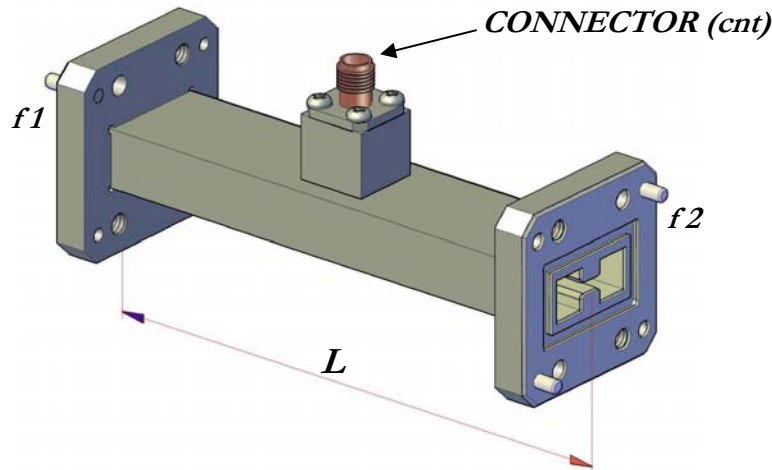


# Space Machine & Engineering CORP.

## Double Ridge Waveguide Power Sampler



Model	WRD #	Frequency (GHz)	Length (L)
DSP180-	180	18.00 - 40.00	2.50
DSP110-	110	11.00 - 26.50	2.50
DSP750-	750	7.50 - 18.00	3.00
DSP650-	650	6.50 - 18.00	3.00
DSP580-	580	5.80 - 16.00	3.00

Model	WRD #	Frequency (GHz)	Length (L)
DSP500-	500	5.00 - 18.00	3.00
DSP475-	475	4.75 - 11.00	3.50
DSP350-	350	3.50 - 8.20	3.50
DSP250-	250	2.60 - 7.80	4.00
DSP200-	200	2.00 - 4.80	5.00

Space Machine offers a standard product line of double ridge power samplers covering waveguide sizes WRD180 thru WRD200. These devices are used for monitoring power when directivity is not a concern.

Main line VSWR is held to 1.15:1 maximum over the full waveguide band, while coupling is held to  $\pm 1$  dB.

Additional sizes and configurations are available upon request.

### Ordering Information:

**Double Ridge Waveguide Power Sampler, Example part number:**  
**WRD650, Aluminum, 40dB**  
**Coupling, SMA Female, Gasket flanges,**  
**Chromate, Paint Space Machine Gray.**

**DSP wrd -m c cnt -f1 f2 -p f**  
 DSP 650 -A 40 SF -02 02 -C P

Series (DSP):

Waveguide Size (wrd): WRD180 thru WRD200

Material (-m): A – Aluminum

Coupling (c): 30 - 60 dB

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

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

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

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