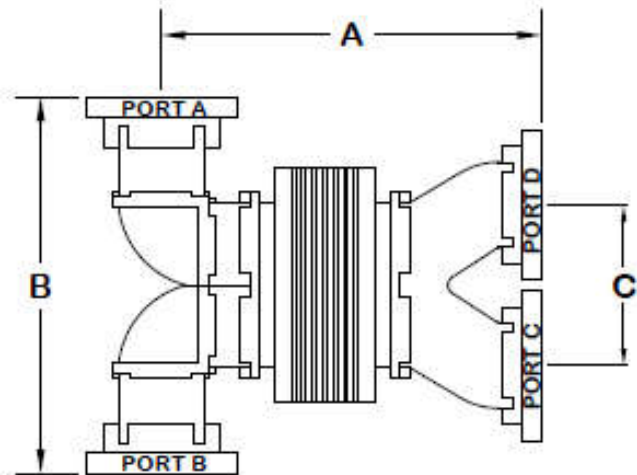


Hybrid Power Combiner/Divider Description

Style 2

- Operating Frequency 1.70 - 40.00 GHz
- Insertion Loss 0.10 dB MAX
- VSWR 1.15:1 MAX
- Power Unbalance 0.15 dB MAX
- Isolation 30 dB MIN, Port A-B
- Pressurization 15 PSIG MAX
- Material Standard Copper/Brass
- Finish High Temperature Flat Black*



Example Hybrids

SINGLE INPUT

INPUT	OUTPUT
PORT A	PORT C @ -3 DB PORT D @ -3 DB
PORT B	PORT C @ -3 DB PORT D @ -3 DB

DUAL INPUT with EQUAL POWER AND FREQUENCY

Combiner Phase Relationship

Port A at 0 degrees, Port B at 90 degrees output is at Port D

Port A at 90 degrees, Port B at 0 degrees output as at Port C

Part Number	WR SIZE	FREQ. (GHz)	Flange Type (4 PL)	RF Power Handling Each Input (KW)	Dim "A" (IN)	Dim "B" (IN)	Dim "C" (IN)
4008-0005-1	62	17.30 - 18.10	WR62 FLAT	2.0	3.65	3.74	1.52
4009-0005-1	75	13.75 - 14.50	WR75 FLAT	3.0	3.79	3.75	1.60
4009-0005-2	75	12.75 - 13.25	WR75 FLAT	3.0	3.79	3.75	1.60
4009-0005-3	75	12.75 - 14.50	WR75 FLAT	3.0	3.79	3.75	1.60
2313-0000-1	112	7.90 - 8.40	WR112 FLAT	3.0	4.75	5.00	2.03
4013-0004-1	137	5.85 - 6.425	CPRG 137	6.0	6.50	7.00	3.38
2311-0000-1	159	5.85 - 6.425	CPRG 159	6.0	6.50	7.00	3.38

*Other finishes available upon request

Other hybrid configurations available upon customer request

Data Sheet Hybrid Power Combiner-Divider Style 2 r1