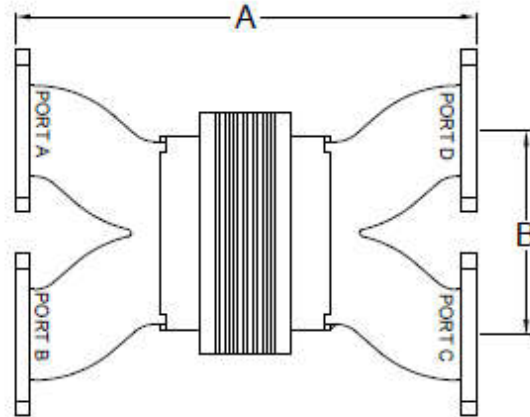


Hybrid Power Combiner/Divider Description

Style 1

- 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)
2613-0000 G1	62	17.30 - 18.10	WR62 FLAT	2.0	4.43	1.52
2141-0000 G1	75	13.75 - 14.50	WR75 FLAT	3.0	4.44	1.60
2141-0000 G2	75	12.75 - 13.25	WR75 FLAT	3.0	4.44	1.60
2142-0000 G1	112	7.90 - 8.40	CPRG 112	3.0	5.25	2.03
2318-0000 G1	137	5.85 - 6.425	CPRG 137	6.0	7.63	3.38
2319-0000 G1	159	5.85 - 6.425	CPRG 159	6.0	8.90	3.38

*Other finishes available upon request

Other hybrid configurations/flange types available upon customer request