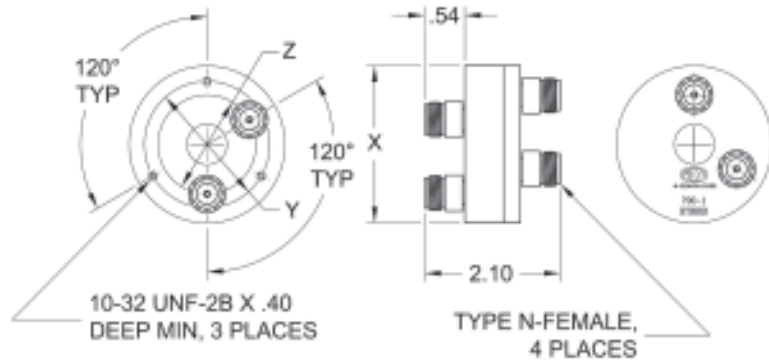




POWER DIVIDER/COMBINERS

Ring Hybrid, 1000 watts, N-Female: 700 Series



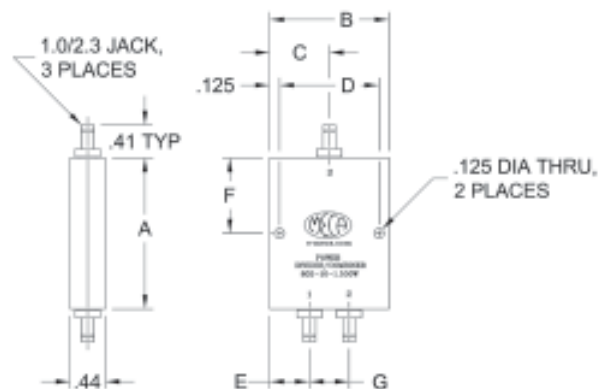
MECA offers a high power, hybrid ring divider/combiner series designed to cover many of the wireless bands with an average RF power handling capability of **1,000 watts** (5 kW peak) when an external termination is used at the isolation port. This model is equipped with brass N-Female connectors, gold-plated contact pins, virgin electrical grade PTFE insulation within the connectors and a rugged aluminum housing for superior shielding.

Notes:

- 1.) All units have a peak power rating of 5 kW.
- 2.) 50 ohm nominal impedance standard.
- 3.) Operating temperature range is -65° C to +150° C.

Catalog Number	Frequency (GHz)	VSWR (Max)	Diameter (X) (Inches)	Diameter (Y) (Inches)	Diameter (Z) (Inches)
700-0.9	0.810 - 0.960	1.20:1	7.59	7.210	6.430
700-1	1.020 - 1.150	1.20:1	6.49	6.100	5.330
700-2	1.200 - 1.400	1.20:1	5.64	5.250	4.480
700-3	1.700 - 2.000	1.25:1	4.29	3.900	3.130
700-4	2.100 - 2.400	1.25:1	3.72	3.330	2.562
700-5	2.300 - 2.600	1.25:1	3.44	3.050	2.280
700-6	2.700 - 3.000	1.25:1	3.17	2.780	2.010
700-7	3.700 - 4.200	1.25:1	2.59	2.200	1.430
700-8	4.400 - 5.000	1.25:1	2.34	1.950	1.180
700-9	5.400 - 6.000	1.25:1	2.12	1.726	0.964

1.0/2.3 Receptacle Jack, 20 watts: DIN Power Divider



MECA introduces a family of phase and amplitude matched Wilkinson power divider/combiners furnished with quick-mating 1.0/2.3 push-pull DIN connectors for ease of cabling on system applications from 0.8 - 2.2 GHz. All models are furnished with gold-plated 1.0/2.3 receptacle jack connectors and a rugged aluminum housing for superior shielding of the divider circuitry. These units are rated to operate from -55° C to +85° C and handle 20 watts total RF power into load VSWR of 1.20:1 or better.

Drawing	A	B	C	D	E	F	G
1	1.90	1.50	0.75	1.25	0.50	0.95	0.50
2	1.90	1.75	0.88	1.50	0.38	0.95	0.50
3	2.90	2.50	1.25	2.25	0.50	1.45	0.50

Catalog Number	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (dB)	Phase Balance (degrees)	VSWR				Outline Drawing
		Typ	Min	Typ	Max			Input		Output		
802-10-1.500W	0.800 - 2.200	27	22	0.30	0.40	0.1	2	1.15:1	1.25:1	1.10:1	1.20:1	1
803-10-1.500W	0.800 - 2.200	20	17	0.50	0.60	0.2	4	1.40:1	1.50:1	1.20:1	1.30:1	2
804-10-1.500W	0.800 - 2.200	25	20	0.60	0.80	0.2	4	1.15:1	1.25:1	1.15:1	1.25:1	3

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