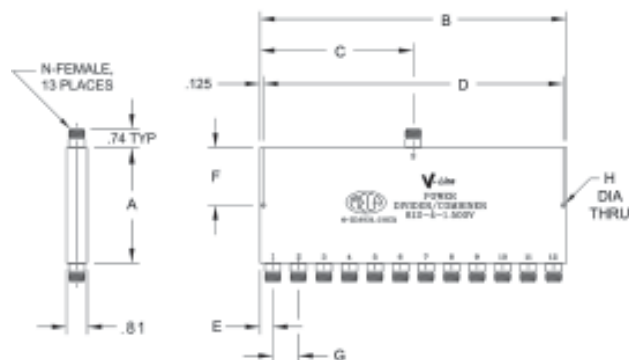


POWER DIVIDER/COMBINERS



12-Way, 20 watts, N-Female: 812-4 Series



Drawing	A	B	C	D	E	F	G	H
1	3.50	12.00	6.00	11.75	0.50	1.75	1.00	.156
2	4.50	12.00	6.00	11.75	0.50	2.25	1.00	.156
3	3.00	12.00	6.00	11.75	0.50	1.50	1.00	.156

* All dimensions are in inches.

MECA introduces a 12-way Wilkinson divider/combiner series specifically designed to cover system applications in wireless bands. These true 12-way designs provide high isolation and excellent phase and amplitude balance between all ports, frequency ranges from 0.8 to 4.2 GHz and are furnished with N-Female connectors, gold-plated contact pins, virgin electrical grade PTFE insulation within the connectors and a rugged aluminum housing for superior shielding of the divider circuitry.

Catalog Number	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB) _i		Amplitude Balance (dB) (Max)	Phase Balance (degrees) (Max)	VSWR				Outline Drawing
		Typ	Min	Typ	Max			Input		Output		
								Typ	Max	Typ	Max	
812-4-0.900	0.800 - 1.000	40	30	0.80	1.00	0.3	6	1.10:1	1.15:1	1.10:1	1.15:1	1
812-4-1.500V	0.800 - 2.200	30	25	1.00	1.20	0.3	8	1.30:1	1.40:1	1.15:1	1.25:1	1
812-4-1.900	0.800 - 3.000	25	20	1.00	1.50	0.4	10	1.30:1	1.45:1	1.20:1	1.35:1	2
812-4-2.100	1.500 - 2.700	30	22	0.80	1.00	0.3	6	1.30:1	1.40:1	1.10:1	1.20:1	3
812-4-3.100	2.000 - 4.200	25	22	1.00	1.20	0.3	8	1.30:1	1.40:1	1.15:1	1.25:1	3

V-Line power divider/combiners are dual-band (0.800 - 2.200 GHz) and are ideally suited for your applications where value, high performance and quality must be achieved through low cost.

Notes:

- 1.) Above 10.79 theoretical insertion loss due to split.
- 2.) All units rated for 20 watts maximum input power with load VSWR of 1.20:1 or better.
- 3.) 50 ohm nominal impedance standard.
- 4.) All output ports are in-phase (0° difference).
- 5.) Operating temperature from -55° C to +85° C.
- 6.) N-Male, SMA-Female and TNC connectors are also available in this series.

Customized solutions at off-the-shelf prices!

Custom configurations with special frequency bands, high isolation, alternate connector styles, rack mounting, high power combining or weatherproofing are available. **If you don't see what you want, call us.**

MECA Electronics, Inc. 459 East Main Street Denville, New Jersey 07834

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