

Couplers

50 Years of
Excellence

0.225-10 GHz

Type N Coaxial
Directional Couplers

- High Directivity
- Ruggedized Construction
- Low VSWR



Specifications

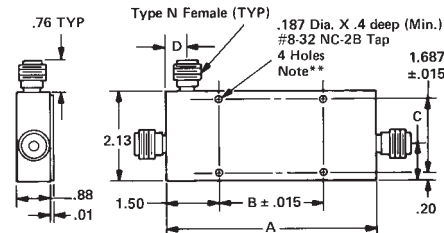
FREQUENCY RANGE GHz	MODEL	NOMINAL COUPLING dB	DIRECTIVITY dB (min)	INSERTION LOSS		VSWR		CALIBRATION FREQ GHz	ABSOLUTE CALIBRATION ACCURACY dB (per 10 dB step)	MAXIMUM DEVIATION from NOMINAL	POWER		WEIGHT lbs / kg (max)	
				Excluding Coupled Power	True	Primary Line (max)	Secondary Line (max)				Incident 10 / 20, 30 dB	Watts Reflected 10 / 20, 30 dB		Peak kW
0.225-0.460	3000	10, 20, 30	30	0.20	0.70 (10 dB) 0.20	1.10	1.15	0.225, 0.280, 0.350, 0.410	±0.1	±1.2	200 / 500	50 / 50	10	1.8 / 0.82
0.46-0.95	3001	10, 20, 30	30	0.20	0.70 (10 dB) 0.20	1.15	1.15	0.460, 0.580, 0.700, 0.825, 0.950	±0.1	±1.2	200 / 500	50 / 500	10	1.2 / 0.54
0.95-2	3002	10, 20, 30	30	0.20	0.70 (10 dB) 0.20	1.15	1.15	0.950, 1.21 1.47, 1.73 2.00	±0.1	±1.2	200 / 500	50 / 500	10	1.0 / 0.45
2-4	3003	10, 20, 30	10dB:25 20,30dB:27	0.20	0.70 (10 dB) 0.20	1.15	1.20	2.0, 2.5, 3.0 3.5, 4.0	±0.1	±1.2	200 / 500	50 / 500	10	1.0 / 0.45
4-10	3004	10, 20, 30	4-8 GHz:20 8-10 GHz:17	0.20	0.85 (10 dB) 0.25 (20 dB) 0.20 (30 dB)	1.20	1.30	4.0, 5.5, 7.0 8.5, 10.0	±0.1	±1.6*	200 / 500	50 / 500	10	1.1 / 0.50

*Model 3004 has frequency sensitivity of ±1.2 dB from mean coupling. The mean coupling may deviate from the nominal by ±0.4 dB.

NOTE: Model 3004 Series is available on a Special-Order basis. Minimum quantities may apply.

ORDERING INFORMATION: Specify model number and add dash number suffix for nominal coupling in dB.
For example: 3004-20

Outline Drawings



All dimensions are max unless otherwise specified.

**Holes covered by nameplate this side.

MODEL	A	B	C	D
3000-10, -20	10.68	3.000 ±.015	.87	.50
3000-30	10.68		.69	.50
3001-10, -20	6.25	1.090 ±.015	.87	.50
3001-30	6.25		.69	.50
3002-10, -20	4.10	1.090 ±.015	.87	.50
3002-30	4.10		.69	.50
3003-10, -20	4.10	1.090 ±.015	.87	.50
3003-30	4.10		.69	.50
3004-10	5.10	2.000	.57	.66
3004-20, -30	5.10	±.015	.69	.57



narda

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