

# Couplers

## 0.225-10 GHz

# TYPE N COAXIAL DIRECTIONAL COUPLERS

- High Directivity
- Ruggedized Construction
- Low VSWR



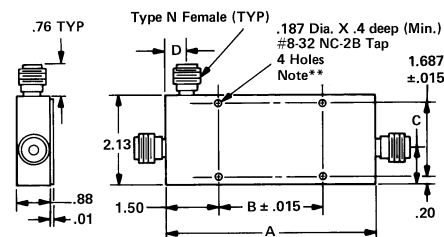
## SPECIFICATIONS

FREQUENCY RANGE (GHz)	MODEL	NOMINAL COUPLING (dB)	DIRECTIVITY (dB) (Min)	INSERTION LOSS		VSWR		CALIBRATION FREQ (GHz)	ABSOLUTE CALIBRATION ACCURACY (per 10 dB Step)(dB)	MAXIMUM DEVIATION from NOMINAL	POWER (Watts)		WEIGHT Lbs / Kg (Max)
				Excluding Coupled Power	True	Primary Line Max	Secondary Line Max				Incident 10 / 20, 30 dB	Reflected 10 / 20, 30 dB	
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	±1.0	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	±1.0	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	±1.0	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	±1.0	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	±1.2*	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: See pages 12-21 for High Power Wireless Band (820-2200 MHz) Couplers

## 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 ±.015	.57	.66
3004-20, -30	5.10	2.000 ±.015	.69	.57