

.92-12.4 GHz

Type N Maximally Flat Coaxial Couplers



- High Power Capability
- Low Loss, Superior Directivity
- ± 0.25 dB Frequency Sensitivity
- Permanent Nameplate Calibrations

Specifications

FREQUENCY RANGE GHz	MODEL	NOMINAL COUPLING dB	DIRECTIVITY dB (min)	INSERTION LOSS EXCLUDING COUPLED POWER	LOSS TRUE	VSWR PRIMARY LINE (max)	VSWR SECONDARY LINE (max)	FREQUENCY* SENSITIVITY dB (max)	MAXIMUM DEVIATION from NOMINAL dB	CALIBRATION FREQUENCIES GHz (per 5 dB step)	ABSOLUTE CALIBRATION ACCURACY	POWER AVERAGE (Watts) INCIDENT REFLECTED PEAK 10dB / 20dB 30dB (kW)	WEIGHT lb / kg (max)
0.92-2.2	3042B	10,20,30	20	0.20	0.70 (10 dB) 0.20	1.10	1.20	± 0.25	± 0.5	0.92,1.24 1.50,1.88 2.2	± 0.1	200 50 / 200 10	1.25/0.6
1.7-4.2	3043B	10,20,30	20	0.20	0.75 (10 dB) 0.20	1.15	1.20	± 0.25	± 0.5	1.7,2.325, 2.95,3.575 4.2	± 0.1	200 50 / 200 10	1.0/0.5
7-12.4	3045C	10,20,30	15	0.35	1.0 (10 dB) 0.40	1.25	1.30	± 0.25	± 0.5	7.0,8.0 9.0,10.0 11.0,12.4	± 0.1	100 10 / 100 2	0.8/0.4

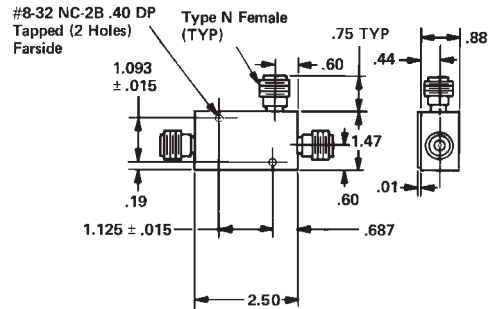
*Frequency sensitivity included in coupling value

NOTE: See pages 15 and 36 dept26 (wireless band) Couplers.**ORDERING INFORMATION:** Specify model number and add dash number suffix for nominal coupling in dB.
For example: 3042B-10

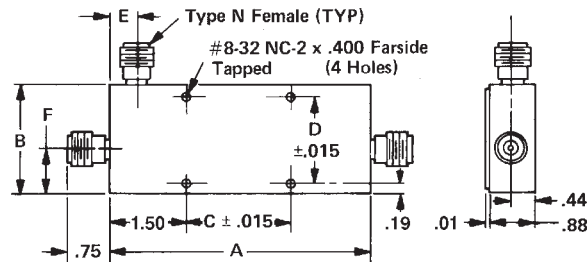
Couplers

50 Years of
Excellence

Outline Drawings



MODEL 3045C



MODEL	A	B	C	D	E	F
3042B-10	6.12	2.12	3.000	1.688	.50	.86
3042B-20	6.12	2.12	3.000	1.688	.50	.86
3042B-30	6.12	2.12	3.000	1.688	.50	.68
3043B-10	4.09	2.12	1.090	1.688	.50	.86
3043B-20	6.12	2.12	3.000	1.688	.50	.86
3043B-30	4.09	2.12	1.090	1.688	.50	.68

All dimensions are max. unless otherwise specified