

STANDARD MODELS

Model	Frequency Range	Power P _{min} W	Coupling X) dB	Insertion Loss max dB	Ripple max dB	Directivity min dB	VSWR max Main Line	Main Line Connector 1), 2)	Coupling Line Connector 3)
BDC 0130-40/100	0.1 ... 3 GHz	100	40 ±1	0.35	±1	18	1.25	SMA-f	SMA-f
BDC 0260-20/200	0.2 ... 6 GHz	200	20 ±1	1.1	±2.25	14	1.4:1	SMA-f	SMA-f
BDC 0330-20/100	0.3 ... 3 GHz	100	20 ±1	0.35	±1.2	15	1.2	N-f	SMA-f
BDC 0530-50/500	0.5 ... 3 GHz	500	50 ±1	0.2	±0.75	20	1.3	N-f	SMA-f
BDC 0580-30/20S	0.5 ... 8 GHz	20	30 ±0.8	0.7	±0.5	18	1.3:1	SMA-f	SMA-f
BDC 0660-30/100	0.6 ... 6 GHz	100	30 ±1	0.4	±1	15	1.25:1	SMA-f	SMA-f
BDC 0760-40/250	0.7 ... 6 GHz	250	40 ±1	0.2	±1	15	1.3:1	N-f	SMA-f
BDC 0828-40/1000	0.8 ... 2.8 GHz	1000	40 ±1	0.2	±0.75	20	1.3:1	N-f	SMA-f
BDC 0828-50/1500	0.8 ... 2.8 GHz	1500	50 ±1	0.2	±0.75	20	1.3:1	7-16-f	SMA-f
BDC 0830-50/1000	0.8 ... 3 GHz	1000	50 ±1	0.25	±0.5	15	1.3:1	7-16-f	SMA-f
BDC 0842-20/200	0.8 ... 4.2 GHz	200	20 ±1.25	0.3	±1.5	20	1.3:1	N-f	SMA-f
BDC 0842-30/500	0.8 ... 4.2 GHz	500	30 ±1	0.15	±1.5	23	1.2:1	N-f	SMA-f
BDC 0842-40/500	0.8 ... 4.2 GHz	500	40 ±1	0.15	±1.5	23	1.2:1	N-f	SMA-f
BDC 0842-50/500	0.8 ... 4.2 GHz	500	50 ±1.25	0.15	±1.5	23	1.2:1	N-f	SMA-f
BDC 0842-50/1000	0.8 ... 4.2 GHz	1000	50 ±1.25	0.15	±1.5	23	1.2:1	N-f	SMA-f
BDC 0860-30/500	0.8 ... 6 GHz	500	30 ±1.5	0.2	±1.5	20	1.3:1	N-f	SMA-f
BDC 0860-40/500	0.8 ... 6 GHz	500	40 ±1.5	0.2	±1.5	20	1.3:1	N-f	SMA-f
BDC 0860-40/1300	0.8 ... 6 GHz	1300	40 ±1.5	0.2	±1.5	20	1.3:1	7-16-f	SMA-f
BDC 0860-50/500	0.8 ... 6 GHz	500	50 ±1.5	0.2	±1.5	20	1.3:1	N-f	SMA-f
BDC 0860-50/1300	0.8 ... 6 GHz	1300	50 ±1.5	0.2	±1.5	20	1.3:1	7-16-f	SMA-f
BDC 0913-40/500	0.9 ... 1.3 GHz	500	40 ±1	0.1	±0.3	25	1.15:1	N-f	SMA-f
BDC 1025-50/2000	1 ... 2.5 GHz	2000	50 ±1	0.2	±1	20	1.3:1	7-16-f	SMA-f
BDC 1025-60/3000	1 ... 2.5 GHz	3000	60 ±1	0.2	±0.5	20	1.3:1	1 5/8" EIA	SMA-f
BDC 1040-10/50S	1 ... 4 GHz	50	10 ±1	0.5	±0.7	20	1.25:1	SMA-f	SMA-f
BDC 1040-10/50	1 ... 4 GHz	50	10 ±1	0.5	±0.7	20	1.25:1	SMA-f	SMA-f
BDC 1040-20/500	1 ... 4 GHz	500	20 ±1	0.2	±1	23	1.3:1	N-f	SMA-f

BDC 0.1 ... 40 GHz

Dual Directional Coupler

Model	Frequency Range	Power P _{min} W	Coupling X) dB	Insertion Loss max dB	Ripple max dB	Directivity min dB	VSWR max Main Line	Main Line Connector 1), 2)	Coupling Line Connector 3)
BDC 1040-30/50S	1 ... 4 GHz	50	30 ±1	0.5	±0.7	20	1.25:1	SMA-f	SMA-f
BDC 1040-30/500	1 ... 4 GHz	500	30 ±1	0.2	±1	20	1.3:1	N-f	SMA-f
BDC 1040-40/500	1 ... 4 GHz	500	40 ±1	0.2	±1	20	1.3:1	N-f	SMA-f
BDC 1040-50/500	1 ... 4 GHz	500	50 ±1	0.2	±1	20	1.3:1	N-f	SMA-f
BDC 1040-40/1500	1 ... 4 GHz	1500	40 ±1	0.2	±1	20	1.3:1	7-16-f	SMA-f
BDC 1040-50/1500	1 ... 4 GHz	1500	50 ±1	0.2	±1	20	1.3:1	7-16-f	SMA-f
BDC 1060-30/500	1 ... 6 GHz	500	30 ±1	0.2	±1	20	1.3:1	N-f	SMA-f
BDC 1060-40/500	1 ... 6 GHz	500	40 ±1.25	0.2	±1.25	20	1.3:1	N-f	SMA-f
BDC 1060-40/1300	1 ... 6 GHz	1300	40 ±1.25	0.2	±1.25	20	1.3:1	7-16-f	SMA-f
BDC 1060-50/500	1 ... 6 GHz	500	50 ±1.25	0.2	±1.25	20	1.3:1	N-f	SMA-f
BDC 1060-50/1300	1 ... 6 GHz	1300	50 ±1.25	0.2	±1.25	20	1.3:1	7-16-f	SMA-f
BDC 1080-35/250	1 ... 8 GHz	250	35 ±1.4	0.3	±0.8	12	1.5:1	N-f	SMA-f
BDC 1080-40/500	1 ... 8 GHz	500	40 ±1.5	0.2	±1.5	20	1.3:1	N-f	SMA-f
BDC 1080-50/500	1 ... 8 GHz	500	50 ±1.5	0.2	±1.5	20	1.3:1	N-f	SMA-f
BDC 1018-20/25S	1 ... 18 GHz	25	20 ±1	0.8	±0.5	12	1.5:1	SMA-f	SMA-f
BDC 1018-30/20S	1 ... 18 GHz	20	30 ±0.6	0.8	±0.5	14	1.4:1	SMA-f	SMA-f
BDC 1040-10/20S	1 ... 40 GHz	20	10 ±1	3	±0.9	10	1.7	2.92 mm-f	2.92 mm-f
BDC 2080-30/50S	2 ... 8 GHz	50	30 ±1	0.4	±1	20	1.25:1	SMA-f	SMA-f
BDC 2080-30/500	2 ... 8 GHz	500	30 ±1	0.2	±1.25	21	1.3:1	N-f	SMA-f
BDC 2080-40/500	2 ... 8 GHz	500	40 ±1	0.2	±1.25	20	1.3:1	N-f	SMA-f
BDC 2080-40/1000	2 ... 8 GHz	1000	40 ±1.25	0.2	±1.25	20	1.3:1	7-16-f	SMA-f
BDC 2080-50/500	2 ... 8 GHz	500	50 ±1	0.2	±1.25	20	1.3:1	N-f	SMA-f
BDC 2080-50/1000	2 ... 8 GHz	1000	50 ±1.25	0.2	±1.25	20	1.3:1	7-16-f	SMA-f
BDC 2018-20/25S	2 ... 18 GHz	25	20 ±1	0.8	±0.5	12	1.4:1	SMA-f	SMA-f
BDC 2018-30/20S	2 ... 18 GHz	20	30 ±0.6	0.7	±0.5	15	1.4:1	SMA-f	SMA-f
BDC 2018-30/400	2 ... 18 GHz	400	30 ±1.4	0.5	±1	10	1.4:1	N-f	SMA-f
BDC 2018-40/400	2 ... 18 GHz	400	40 ±1.4	0.5	±1	10	1.4:1	N-f	SMA-f
BDC 2018-50/400	2 ... 18 GHz	400	50 ±1.4	0.5	±1	10	1.4:1	N-f	SMA-f

BDC 0.1 ... 40 GHz Dual Directional Coupler

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BDC 3582-50/500	3.5 ... 8.2 GHz	500	50 ±1.25	1.5	±0.2	30	1.5:1	WRD-350	SMA-f
BDC 4080-30/50	4 ... 8 GHz	50	30 ±1.25	0.4	±0.8	20	1.2:1	SMA-f	SMA-f
BDC 4012-30/600	4 ... 12 GHz	600	30 ±1	0.2	±0.65	16	1.3:1	N-f	SMA-f
BDC 4018-20/50S	4 ... 18 GHz	50	20 ±1	0.6	±0.5	12	1.4:1	SMA-f	SMA-f
BDC 4018-30/30S	4 ... 18 GHz	30	30 ±1	1	±1	12	1.5:1	SMA-f	SMA-f
BDC 4018-30/50S	4 ... 18 GHz	50	30 ±1.5	1	±1	12	1.5:1	SMA-f	SMA-f
BDC 4018-35/200	4 ... 18 GHz	200	35 ±1.5	0.5	±1	12	1.45:1	N-f	SMA-f
BDC 6018-20/35S	6 ... 18 GHz	35	20 ±1.25	0.6	±0.6	15	1.4:1	SMA-f	SMA-f
BDC 6018-20/100S	6 ... 18 GHz	100	20 ±1	0.5	±0.5	12	1.5:1	SMA-f	SMA-f
BDC 6018-30/35S	6 ... 18 GHz	35	30 ±0.5	1	±1.2	10	1.6:1	SMA-f	SMA-f
BDC 6018-30/50S	6 ... 18 GHz	50	30 ±1	0.6	±0.5	12	1.4:1	SMA-f	SMA-f
BDC 6018-30/300	6 ... 18 GHz	300	30 ±1	0.35	±1	14	1.5:1	N-f	SMA-f
BDC 6018-40/300	6 ... 18 GHz	300	40 ±1	0.2	±1.5	14	1.5:1	N-f	SMA-f
BDC 6018-50/300	6 ... 18 GHz	300	50 ±1	0.35	±1	14	1.5:1	N-f	SMA-f
BDC 6026-20/20S	6 ... 26.5 GHz	500	20 ±1	0.7	±0.8	13	1.55:1	2.92 mm-f	2.92 mm-f
BDC 6040-20/20S	6 ... 40 GHz	20	20 ±1	1.2	±1	10	1.7:1	2.92 mm-f	2.92 mm-f
BDC 6040-20/30S	6 ... 40 GHz	30	20 ±1	1.2	±1	10	1.7:1	2.92 mm-f	2.92 mm-f
BDC 6518-40/1000	6.5 ... 18 GHz	1000	40 ±2	0.5	±1	25	1.2:1	WRD-650	SMA-f
BDC 6518-50/1000	6.5 ... 18 GHz	1000	50 ±1.5	0.5	±1	25	1.2:1	WRD-650	SMA-f
BDC 7012-30/50S	7 ... 12.4 GHz	50	30 ±1	0.3	±0.5	25	1.3:1	SMA-f	SMA-f
BDC 7018-10/50	7 ... 18 GHz	50	10 ±1.25	1.1	±0.75	15	1.4:1	SMA-f	SMA-f
BDC 8012-40/500S	8.2 ... 12.4 GHz	500	40 ±1	0.2	±0.5	15	1.1:1	WR-90	SMA-f
BDC 8018-30/500	7.5 ... 18 GHz	500	30 ±1	0.2	±1	35	1.2:1	WRD-750	SMA-f
BDC 8018-30/1000	7.5 ... 18 GHz	1000	30 ±0.8	1.5	±1	30	1.35:1	WRD-750	SMA-f
BDC 8018-40/500	7.5 ... 18 GHz	500	40 ±1	0.2	±1	25	1.1:1	WRD-750	SMA-f
BDC 8018-40/1000	7.5 ... 18 GHz	1000	40 ±1	0.5	±1.5	25	1.2:1	WRD-750	SMA-f
BDC 8018-50/500	7.5 ... 18 GHz	500	50 ±2	0.5	±1	25	1.2:1	WRD-750	SMA-f
BDC 8018-50/1000	7.5 ... 18 GHz	1000	50 ±1	0.5	±1.5	25	1.2:1	WRD-750	SMA-f

BDC 0.1 ... 40 GHz Dual Directional Coupler

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BDC 1218-50/500	12.4 ... 18 GHz	500	50 ±0.9	0.9	±0.7	30	1.25:1	WR-62	SMA-f
BDC 1826-20/30S	18 ... 26.5 GHz	30	20 ±1	1.2	±1	10	1.7:1	2.92 mm-f	2.92 mm-f
BDC 1826-30/50	18 ... 26.5 GHz	50	30 ±1	0.2	±0.9	30	1.35:1	WR-42	2.92 mm-f
BDC 1826-30/50S	18 ... 26.5 GHz	50	30 ±1	0.2	±0.75	40	1.2:1	WR-42	WR-42
BDC 1840-20/30S	18 ... 40 GHz	30	20 ±1	1.2	±1	10	1.7:1	2.92 mm-f	2.92 mm-f
BDC 1840-30/50	18 ... 40 GHz	50	30 ±1	0.2	±0.5	30	1.25:1	WRD-180	2.92 mm-f
BDC 1840-40/50	18 ... 40 GHz	50	40 ±1.5	0.2	±1.5	30	1.25:1	WRD-180	2.92 mm-f
BDC 2640-20/30S	26.5 ... 40 GHz	30	20 ±1	1.2	±1	10	1.7:1	2.92 mm-f	2.92 mm-f
BDC 2640-30/50	26.5 ... 40 GHz	50	30 ±1	0.2	±0.9	30	1.1:1	WR-28	2.92 mm-f
BDC 2640-30/50S	26.5 ... 40 GHz	50	30 ±1	0.2	±0.5	40	1.2:1	WR-28	WR-28

OPTIONS

- 1) male RF input connector
- 2) alternative main line connectors
- 3) N-f coupling connectors
- X) custom frequency range and custom coupling attenuation upon request