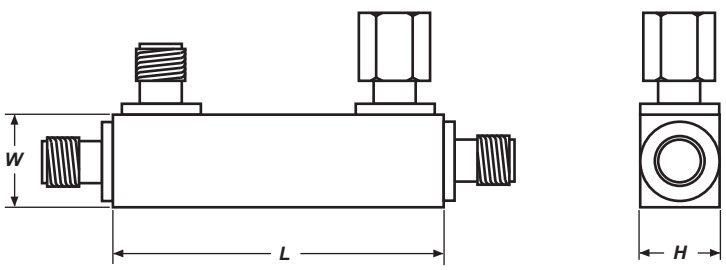
Directional Couplers - Multi-Octave

- 0.5 – 18.0 GHz
- 6, 10, 20, 30 dB
- Multi-Octave
- Miniature Size
- Flat Response
- Very Cost Effective

General Specifications	
Impedance	50 ohms
Circuit	PTFE Based
Housing	Aluminium
Finish	Matt Paint
Connectors	SMA Female to MIL-C-39012
Outline Drawings	Available on request
Operating Temperature	-40+70C
Environment	MIL-E-5400

Model No	Frequency (GHz)	Coupling (dB)	Frequency sensitivity (dB) max.	Directivity (dB) min.	VSWR max.	Insertion Loss (dB) max. (1)	Power Handling (Watts) avg. (2) A / B	Size (LxWxH) mm
BDC-005020-06	0.5-2	6 ± 1	± 0.7	20	1.2	0.5	4/50	133x15x11
BDC-005020-10	0.5-2	10 ± 1	± 0.7	20	1.2	0.5	10/50	133x15x11
BDC-005020-20	0.5-2	20 ± 1	± 0.7	20	1.2	0.4	50	133x15x11
BDC-005020-30	0.5-2	30 ± 1	± 0.7	20	1.2	0.4	50	133x15x11
BDC-008025-06	0.8-2.5	6 ± 1	± 0.7	20	1.2	0.5	4/50	85x15x11
BDC-008025-10	0.8-2.5	10 ± 1	± 0.7	20	1.2	0.5	10/50	85x15x11
BDC-008025-20	0.8-2.5	20 ± 1	± 0.7	20	1.2	0.4	50	85x15x11
BDC-008025-30	0.8-2.5	30 ± 1	± 0.7	20	1.2	0.4	50	85x15x11
BDC-010040-06	1-4	6 ± 1	± 0.7	20	1.2	0.5	4/50	73x15x11
BDC-010040-10	1-4	10 ± 1	± 0.7	20	1.2	0.5	10/50	73x15x11
BDC-010040-20	1-4	20 ± 1	± 0.7	20	1.2	0.4	50	73x15x11
BDC-010040-30	1-4	30 ± 1	± 0.7	20	1.2	0.4	50	73x15x11
BDC-020080-06	2-8	6 ± 1	± 1.0	20	1.2	0.5	4/50	43x15x11
BDC-020080-10	2-8	10 ± 1	± 1.0	20	1.2	0.5	10/50	43x15x11
BDC-020080-20	2-8	20 ± 1	± 1.0	20	1.2	0.4	50	43x15x11
BDC-020080-30	2-8	30 ± 1	± 1.0	20	1.2	0.4	50	43x15x11
BDC-040180-10	4-18	10 ± 1	± 1.0	12	1.5	0.8	10/50	33x15x11
BDC-040180-20	4-18	20 ± 1	± 1.0	12	1.5	1.0	50	33x15x11
BDC-040180-30	4-18	30 ± 1	± 1.0	12	1.5	1.0	50	33x15x11
BDC-020180-10	2-18	10 ± 1	± 1.0	12	1.6	1.5	10/50	43x15x11
BDC-020180-20	2-18	20 ± 1	± 1.0	10	1.6	1.2	50	43x15x11
BDC-020180-30	2-18	30 ± 1	± 1.0	10	1.6	1.2	50	43x15x11

TYPICAL OUTLINE



All dimensions are in (mm).

Notes
(1) Excludes Coupled Power Loss
(2) A/B
A = Power Handling into infinite VSWR
B = Power Handling into 1.5:1 VSWR

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

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