

Atlantic Microwave

Directional Couplers Multi-Octave

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



Operating frequency range 0.5-18.0GHz



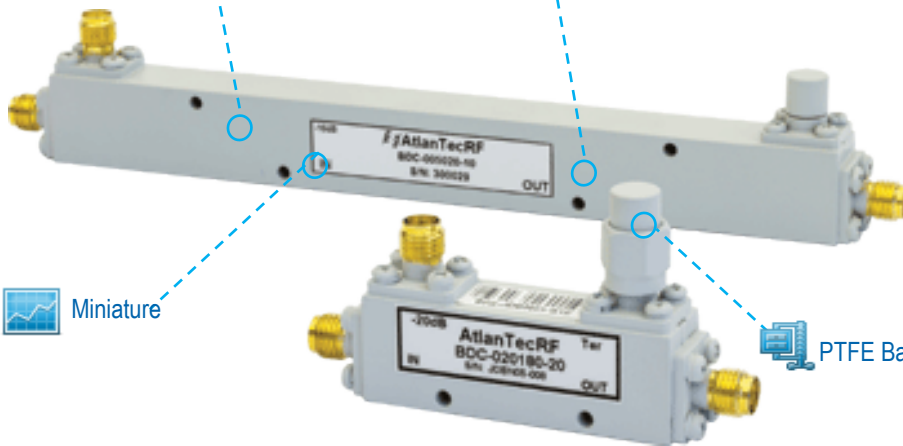
50 Ohms



Miniature



PTFE Based



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 Range	-40+70C
Environment	MIL-E-5400

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Model No.	Frequency (GHz)	Coupling (dB) max.	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

