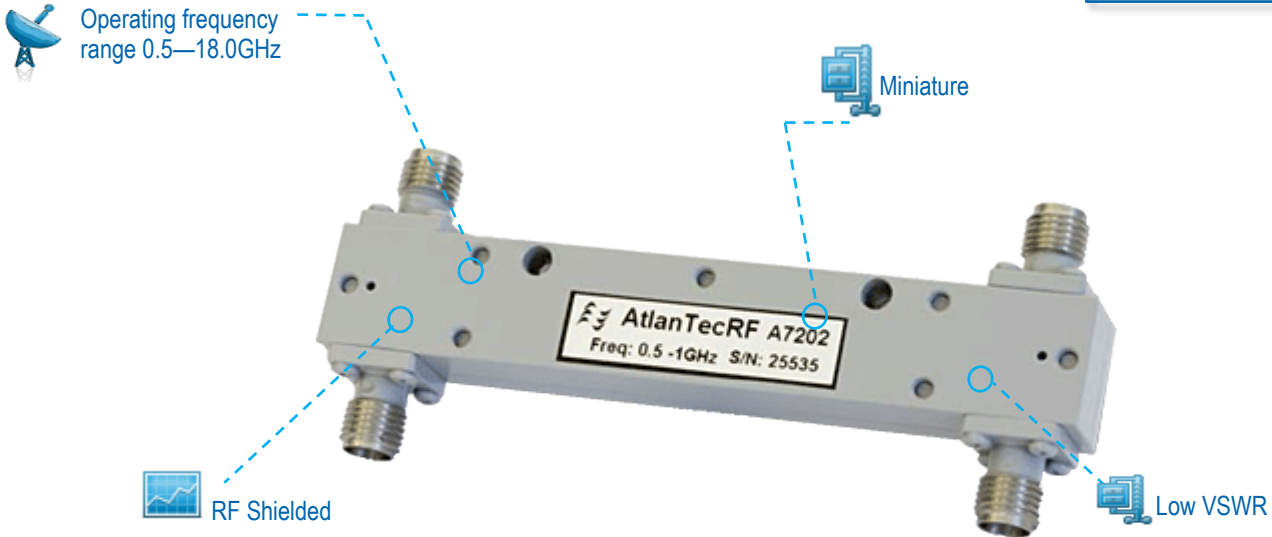


Atlantic Microwave

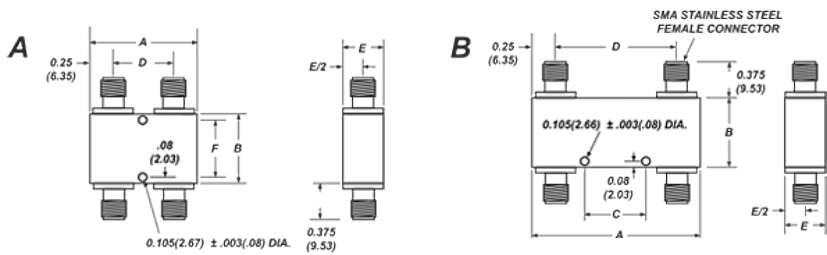
90° Hybrid 3dB Couplers

- 0.5 - 18.0 GHz
- Miniature Size
- High Isolation
- Low VSWR
- RF Shielded



General Specifications	
Design	Stripline
Circuit	PTFE Based
Housing	Aluminium
Connectors	SMA to MIL-C-39012
Temperature	-55 +105C
Finish	Paint

Model No	Freq. GHz	Coupling (1) dB	Freq. sensitivity dB	Isolation dB min.	VSWR max.	Power Avg. (Watts)	Power Peak (Watts)	Fig.
A7202	0.5 - 1	3.1 ± 0.6	± 0.5	28	1.1	50	3	B4
A7203	1 - 2	3.1 ± 0.6	± 0.5	28	1.1	50	3	B5
A7204	2 - 4	3.1 ± 0.6	± 0.5	22	1.2	50	3	A1
A7246	2 - 8	3.3 ± 0.8	± 0.4	17	1.3	30	3	B6
A7245	2.6 - 5.2	3.1 ± 0.6	± 0.5	20	1.25	50	3	A2
A7205	4 - 8	3.2 ± 0.7	± 0.5	18	1.3	50	3	A2
A7256	4 - 12.4	3.3 ± 0.8	± 0.4	17	1.5	20	2	B7
A7206	6 - 12.4	3.2 ± 0.7	± 0.5	18	1.35	50	3	A2
A7267	7.5 - 16	3.4 ± 0.9	± 0.6	15	1.45	40	2	A3
A7207	12 - 18	3.4 ± 1.0	± 0.7	15	1.5	40	1	A3



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.

FIG	A	B	C	D	E	F
A1	1.15 (29.2)	0.50 (12.7)	N/A	0.66 (16.8)	0.38 (9.7)	0.32 (8.1)
A2	1.00 (25.4)	0.50 (12.7)	N/A	0.50 (12.7)	0.38 (9.7)	0.32 (8.1)
A3	1.00 (25.4)	0.58 (14.7)	N/A	0.50 (12.7)	0.38 (9.7)	0.39 (9.9)
B4	3.06 (77.7)	0.50 (12.7)	1.37 (34.79)	2.56 (65.0)	0.38 (9.7)	N/A
B5	1.78 (45.2)	0.50 (12.7)	0.50 (12.7)	1.28 (32.5)	0.38 (9.7)	N/A
B6	2.60 (66.0)	0.75 (19.1)	1.26 (32.00)	2.10 (53.3)	0.44 (11.2)	N/A
B7	1.72 (43.7)	0.60 (15.2)	0.50 (12.7)	1.22 (31.0)	0.50 (12.7)	N/A

