

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	Frequency (GHz)	Coupling (1) (dB)	Frequency sensitivity (dB)	Isolation (dB) min.	VSWR max.	Power avg. (Watts)	Power Peak (KW)	Fig.
A7202	0.5 - 1	3.1 ± 0.6	± 0.5	28	1.10	50	3	B4
A7203	1 - 2	3.1 ± 0.6	± 0.5	28	1.10	50	3	B5
A7204	2 - 4	3.1 ± 0.6	± 0.5	22	1.20	50	3	A1
A7246	2 - 8	3.3 ± 0.8	± 0.4	17	1.30	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	1.30	50	3	A2
A7256	4 - 12.4	3.3 ± 0.8	± 0.4	15	1.50	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	1.50	40	1	A3

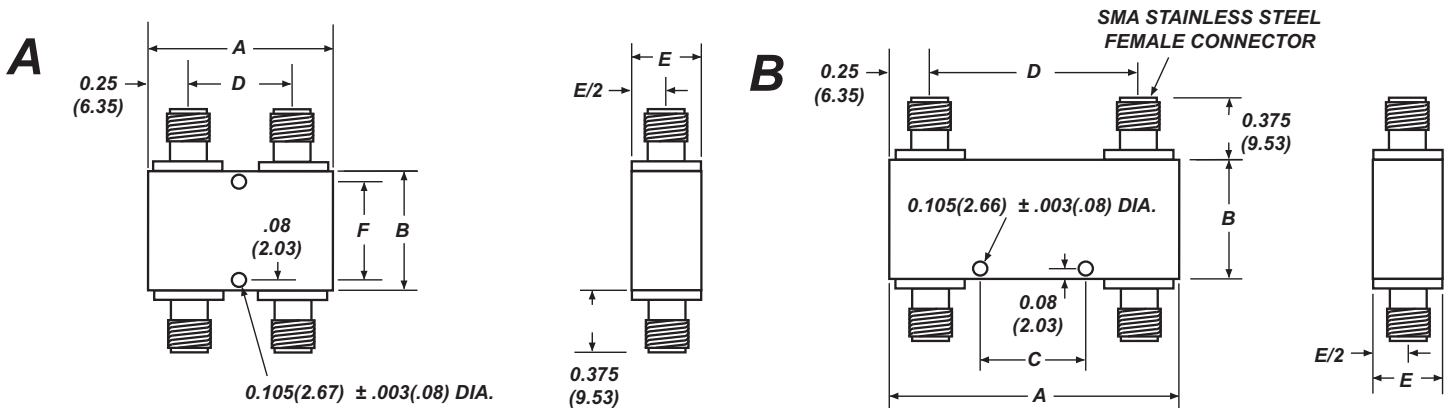
(1) Includes frequency sensitivity.

Specification Temperature +25C

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

All dimensions are in inches (mm).

Custom frequency ranges, specifications and configurations are also available.



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

Passive Components