

Atlantic Microwave

Two-Way Power Dividers



Operating frequency range 0.5 - 18.0 GHz



50 Watts



Conduction Cooled



Compact

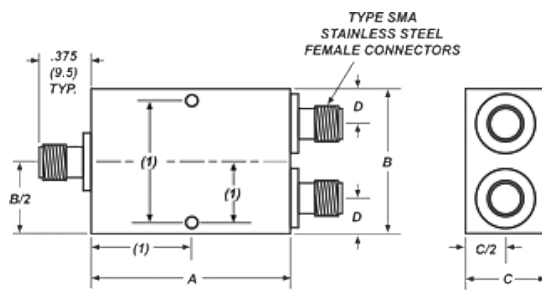


- 0.5 - 18.0 GHz
- Miniature Size
- Flat Response
- High Isolation
- RF Shielded
- Robust Construction

General Specifications

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

Model No	Freq. GHz	Isolation (dB) min.	VSWR (max.)		Insertion Loss (dB) max.	Amplitude Bal. (dB) max.	Phase Bal. (deg.) max.	Average Power Load			Fig.
			Input	Output				1.2	2	Infinity	
A8202-2	0.5-1.0	22dB	1.20	1.10	0.20	0.2	2.0	30	20	3	4
A8475-2	0.5-2.0	22	1.25	1.15	0.40	0.2	2.0	30	20	3	4
A8203-2	1.0-2.0	22	1.25	1.20	0.25	0.2	3.0	30	20	3	2
A8477-2	1.0-4.0	21	1.30	1.20	0.40	0.2	2.0	30	10	1	3
A8478-2	1.0-12.4	15	1.60	1.40	1.20	0.4	6.0	30	10	1	3
A8204-2	2.0-4.0	20	1.30	1.25	0.30	0.2	4.0	30	10	1	2
A8245-2	2.0-8.0	20	1.35	1.25	0.40	0.2	4.0	30	10	1	3
A8248-2	2.0-18.0	18	1.40	1.40	1.00	0.2	5.0	30	10	1	5
A8242-2	3.0-5.0	20	1.30	1.30	0.35	0.2	4.0	30	10	1	2
A8205-2	4.0-8.0	20	1.30	1.25	0.35	0.2	4.0	30	10	1	1
A8480-2	6.0-18.0	16	1.50	1.40	0.80	0.4	6.0	30	10	1	1
A8206-2	7.0-12.4	20	1.30	1.35	0.40	0.2	4.0	30	10	1	1
A8268-2	8.0-18.0	20	1.35	1.40	0.60	0.2	5.0	30	10	1	1
A8338-2	10.7-14.5	20	1.20	1.20	0.60	0.2	3.0	30	10	1	1
A8267-2	12.0-18.0	20	1.35	1.40	0.60	0.2	5.0	30	10	1	1



(1) For the position of mounting holes, please request control drawing.

All dimensions are in inches (mm).

Fig	A	B	C	D
1	1.00 (25.4)	1.00 (25.4)	0.50 (12.7)	0.25 (6.4)
2	1.50 (38.1)	1.50 (38.1)	0.50 (12.7)	0.25 (6.4)
3	2.00 (50.8)	1.50 (38.1)	0.50 (12.7)	0.25 (6.4)
4	1.50 (38.1)	2.50 (63.5)	0.50 (12.7)	0.75 (19.1)
5	1.62 (41.1)	1.00 (25.4)	0.38 (9.6)	0.25 (6.4)

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.

