

Atlantic Microwave Eight-Way Power Dividers

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



Operating frequency range 0.5 - 18.0 GHz



Miniature



High Isolation



Robust construction



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

Fig	A	B	C	D
1	4.50 (114.3)	3.00 (76.2)	0.50 (12.7)	4.25 (106.6)
2	4.00 (101.6)	2.00 (50.8)	0.50 (12.7)	3.75 (95.3)
3	4.00 (101.6)	4.00 (101.6)	0.50 (12.7)	3.75 (95.3)
4	4.00 (101.6)	3.00 (76.2)	0.50 (12.7)	3.75 (95.3)
5	5.20 (132.1)	2.45 (62.2)	0.60 (15.2)	4.95 (125.7)
6	4.00 (101.6)	5.0 (127.0)	0.50 (12.7)	3.75 (95.3)

Model No	Freq. GHz	Isolation (dB) min.	VSWR (max.)		Insertion Loss (dB) max.	Amplitude Bal. (dB) max.	Phase Bal. (deg.) max.	Average Power Load VSWR			Fig.
			Input	Output				1.2	2	Infinity	
A8202-8	0.5 - 1	18	1.35	1.30	0.70	0.45	5.0	30	20	1	1
A8475-8	0.5 - 2	18	1.35	1.25	0.80	0.45	5.0	30	10	1	1
A8203-8	1 - 2	18	1.65	1.40	0.80	0.35	5.0	30	10	1	3
A8477-8	1 - 4	16	1.40	1.30	0.80	0.45	5.0	30	10	1	3
A8478-8	1 - 12.4	14	1.60	1.50	1.80	1.00	10.0	30	10	1	1
A8204-8	2 - 4	18	1.60	1.60	0.80	0.45	5.0	30	10	1	3
A8245-8	2 - 8	16	1.65	1.60	1.40	0.60	5.0	30	10	1	6
A8248-8	2 - 18	14	1.80	1.70	3.40	0.80	8.0	30	10	1	3
A8242-8	3 - 5	18	1.45	1.35	0.80	0.30	5.0	30	10	1	1
A8205-8	4 - 8	17	1.50	1.50	1.40	0.60	8.0	30	10	1	5
A8480-8	6 - 18	14	1.60	1.50	1.40	1.00	8.0	30	10	1	1
A8206-8	7 - 12.4	15	1.70	1.70	1.30	0.60	9.0	30	10	1	2
A8268-8	8 - 18	15	1.80	1.70	2.20	1.00	10.0	30	20	1	4
A8338-8	10.7 - 14.5	18	1.25	1.25	2.20	1.00	10.0	30	10	1	4
A8267-8	12 - 18	15	1.80	1.70	2.20	1.00	10.0	30	10	1	2

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.

