

Atlantic Microwave

Directional Couplers Broadband

Operating frequency range 0.5–18.0 GHz

- 0.5 - 18.0 GHz
- Miniature Size
- High Directivity
- Low VSWR
- RF Shielded
- Robust Construction

SMA Connectors



Miniature

Low VSWR

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

Model No	Freq. GHz	Coupling (1) dB	Freq. sensitivity dB	Insertion Loss		Directivity dB min	VSWR Pri. Line	Sec. Line	Power		Fig.	
				Excl. coupled power	True				Avg. incident (watts)	Avg. reflected (watts)		Peak (kW)
A2023-6	0.5-2.0	6 ± 1.00	± 0.75	0.35	2	23	1.2	1.2	50	2	3	1
A2023-10	0.5-2.0	10 ± 1.00	± 0.75	0.35	0.9	23	1.2	1.2	50	5	3	1
A2023-20	0.5-2.0	20 ± 1.00	± 0.75	0.35	0.4	23	1.2	1.2	50	50	3	2
A4224-10	0.6-4.0	10 ± 1.00	± 0.75	0.4	0.9	18	1.25	1.3	50	5	3	10
A2034-6	1.0-4.0	6 ± 1.00	± 0.50	0.35	2	23	1.2	1.2	50	2	3	3
A2034-10	1.0-4.0	10 ± 1.00	± 0.50	0.35	0.9	23	1.2	1.2	50	5	3	3
A2034-20	1.0-4.0	20 ± 1.00	± 0.50	0.4	0.45	23	1.2	1.2	50	50	3	4
						1-12.4 12.4-18						
A4238-10	1.0-18.0	10 ± 1.00	± 0.50	0.9	1.5	15 12	1.4	1.5	25	5	3	11
A4238-16	1.0-18.0	16 ± 1.00	± 0.50	0.8	0.9	15 12	1.4	1.5	25	20	3	12
A4238-20	1.0-18.0	20 ± 1.00	± 0.50	0.8	0.9	15 12	1.4	1.5	25	25	3	12
A2045-6	2.0-8.0	6 ± 1.00	± 0.30	0.5	2.2	20	1.25	1.25	50	2	3	5
A2045-10	2.0-8.0	10 ± 1.00	± 0.30	0.35	1	20	1.25	1.25	50	5	3	5
A2045-20	2.0-8.0	20 ± 1.00	± 0.40	0.4	0.45	20	1.25	1.25	50	50	3	6
						2-12.4 12.4-18						
A4248-6	2.0-18.0	6 ± 1.00	± 0.50	0.9	2	15 12	1.4	1.5	25	2	3	13
A4248-10	2.0-18.0	10 ± 1.00	± 0.50	0.8	1.3	15 12	1.4	1.5	25	5	3	13
A4248-16	2.0-18.0	16 ± 1.00	± 0.50	0.8	0.9	15 12	1.35	1.4	25	20	3	14
A4248-20	2.0-18.0	20 ± 1.00	± 0.50	0.8	0.9	15 12	1.35	1.4	25	25	3	14
A2056-6	4.0-12.4	6 ± 1.00	± 0.30	0.5	2.2	17	1.3	1.3	50	2	3	7
A2056-10	4.0-12.4	10 ± 1.00	± 0.30	0.5	1.2	17	1.3	1.3	50	5	3	7
A2056-20	4.0-12.4	20 ± 1.00	± 0.40	0.5	0.55	17	1.3	1.3	50	50	3	8
						4-12.4 12.4-18						
A4258-6	4.0-18.0	6 ± 1.00	± 0.50	0.9	2	15 12	1.35	1.4	25	2	3	15
A4258-10	4.0-18.0	10 ± 1.00	± 0.50	0.8	1	15 12	1.35	1.4	25	5	3	15
A4258-20	4.0-18.0	20 ± 1.00	± 0.50	0.6	0.7	15 12	1.4	1.4	25	25	3	16
A2068-10	7.0-18.0	10 ± 1.25	± 0.75	0.6	1.1	15	1.35	1.4	50	5	3	9

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.

