

Atlantic Microwave

180° Hybrid Couplers

- 0.75 – 18.0GHz
- Miniature Stripline Design
- Narrow and Broadband Units
- High Isolation
- Low Loss



Operating frequency range 0.75– 18.0GHz



Miniature



RF Shielded



Low VSWR



General Specifications	
Design	Stripline
Connectors	SMA Female, Nickel Plated Brass
Operating Temperature	-55 to +85C
Finish	Paint

Model No. & Typical Test Data (where available)	Frequency Range (GHz)	Insertion Loss (dB) max.	Isolation (dB) min.	VSWR max.	Amplitude Bal. (+/-dB) max.	Phase Bal. (+/-deg.) max.	Power Rating (W)	Size (L x W x H) mm
AH180-007501500	0.75 - 1.5	0.6	22	1.30	0.5	10	50	98 x 60 x 13
AH180-010020	1-2	0.6	22	1.35	0.5	10	50	76 x 60 x 13
AH180-020040	2-4	0.6	20	1.35	0.5	10	50	48 x 53 x 13
AH180-020180	2-18	2.0	15	1.80	1.2	12	50	82 x 36 x 11
AH180-040080	4-8	0.8	15	1.50	0.5	10	80	65 x 36 x 11
AH180-040180	4-18	1.8	15	1.80	1.2	10	50	48 x 36 x 11

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.

