

Atlantic Microwave 40GHz Directional Couplers

AKC Series

- 1.0 - 40.0GHz
- High Directivity
- Low Insertion Loss
- Low VSWR
- Good Coupling Accuracy
- RoHS Compliant



Operating frequency range 1—40GHz



50 Ohms



RoHS Compliant



Low VSWR

General Specifications	
Impedance	50 ohms
Operating Temperature	-55 to +85C
Connectors	2.92mm Female Stainless Steel
Housing	Aluminium
Body Finish	Paint

Model No	Frequency Range (GHz)	Coupling (dB) Nominal	Coupling Accuracy (+/- dB) max.	Flatness (+/- dB) max.	Insertion Loss (dB) max.	Directivity (dB) min.	VSWR max.	Input Power (Watts) CW	Size (L x W x H) mm
AKC-010400-10	1.0-40.0	10	1.0	1.0	2.5	10	1.8	30	84 x 11 x 15
AKC-010400-20	1.0-40.0	20	1.0	1.0	2.0	10	1.5	30	84 x 11 x 15
AKC-010400-30	1.0-40.0	30	1.0	1.0	1.8	10	1.5	30	84 x 11 x 15
AKC-020400-10	2.0-40.0	10	1.0	1.0	2.2	10	1.8	30	48 x 11 x 15
AKC-020400-20	2.0-40.0	20	1.0	1.0	2.0	10	1.5	30	48 x 11 x 15
AKC-020400-30	2.0-40.0	30	1.0	1.0	2.0	10	1.5	30	48 x 11 x 15
AKC-060400-10	6.0-40.0	10	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15
AKC-060400-20	6.0-40.0	20	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15
AKC-060400-30	6.0-40.0	30	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15
AKC-180400-10	18.0-40.0	10	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15
AKC-180400-20	18.0-40.0	20	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15
AKC-180400-30	18.0-40.0	30	1.0	1.0	1.6	10	1.6	30	28 x 11 x 15

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.

