

AAMCS-UDC-1G-12.4G-xxdB-Sf

AA MCS

1-12.4 GHz

10-20dB Directional coupler

FEATURES

- Ultra broadband Unit
- Unidirectional Coupler
- Minimal RF Insertion Loss
- High Reliability
- N Female Connectors available



PASSIVE COMPONENTS

DESCRIPTION

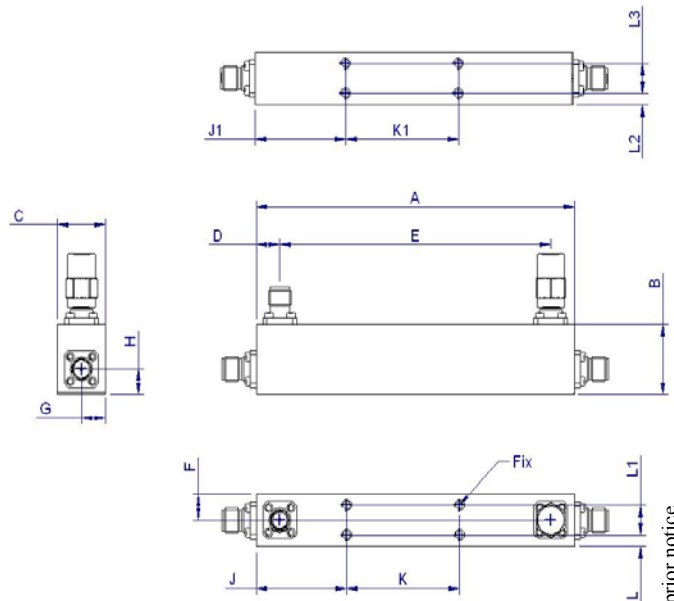
The Directional and Hybrid couplers offered by AA MCS are designed for both commercial and military applications. Models are available in connectorized SMA, BNC, N, TNC (option) packages, depending on the frequency.

All units are designed and manufactured to ensure statistical control of important parameters such as insertion loss and input/output return loss, with power up to more than 1 kWatt.

Electrical Specifications

Bandwidth		1-12.4 GHz
Nominal coupling		
AAMCS-UDC-1G-12.4G-10dB-Sf	Max	10 ± 1.1 dB
AAMCS-UDC-1G-12.4G-20dB-Sf		20 ± 1.1 dB
Coupling Flatness	Max	± 0.80 dB
Main Line Insertion Loss *		
AAMCS-UDC-1G-12.4G-10dB-Sf	Max	1.30 dB
AAMCS-UDC-1G-12.4G-20dB-Sf		1.10 dB
VSWR	Max	1.5:1
Directivity	Min	15 dB
Power CW	Min	30 W
Connector		SMA f
Operating Temperature	°C	-40 to +85°C
Storage Temperature	°C	-55 to +125°C
Waterproof ness		IP50

* including coupling loss



A	B	C	D	E	F	G	H	J
89.4	17.9	13.45	6.6	76.2	6.7	6.75	6.5	25.4
J1	K	K1	L	L1	L2	L3	Fix	
25.4	31.75	31.75	2.9	3.8	2.9	7.6	#4-40	

Size in mm



AA MCS

MICROWAVE COMPONENTS AND SYSTEMS

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Outline is subject to change without prior notice