

Directional Coupler 300 W

DESCRIPTION

- Amphenol directional couplers are designed to give optimum performance between 698 - 2700 MHz.
- Achieving PIM @ -153 dBc, IP 65 rating, makes them ideal for indoor or outdoor environments.
- Standard coupling values of 3, 6, 10, 15, 20, and 30 dB are available.
- Connector configurations of N-Female.



ORDERING

Type	Product No.	Frequency
3dB Coupling	ADC-03-WBM-LP-NF-CC	698 - 2700 MHz
6dB Coupling	ADC-06-WBM-LP-NF-CC	698 - 2700 MHz
10dB Coupling	ADC-10-WBM-LP-NF-CC	698 - 2700 MHz
15dB Coupling	ADC-15-WBM-LP-NF-CC	698 - 2700 MHz
20dB Coupling	ADC-20-WBM-LP-NF-CC	698 - 2700 MHz
30dB Coupling	ADC-30-WBM-LP-NF-CC	698 - 2700 MHz

SPECIFICATIONS

Electrical						
Frequency	698 - 2700 MHz					
Coupling	3 dB	6 dB	10 dB	15 dB	20 dB	30 dB
Coupling Tolerance	± 0.8 dB	± 0.8 dB	± 1.0 dB	± 1.0 dB	± 1.0 dB	± 1.2 dB
Insertion Loss	≤ 3.6 dB	≤ 1.7 dB	≤ 0.7 dB	≤ 0.4 dB	≤ 0.3 dB	≤ 0.2 dB
Impedance	50 Ω					
Peak Input Power	1 kW					
Application	Indoor / Outdoor					
Isolation	≥ 23 dB	≥ 26 dB	≥ 30 dB	≥ 35 dB	≥ 40 dB	≥ 50 dB
VSWR	< 1.2:1					
Maximum Input Power	300 W					
Passive Intermodulation	< -153 dBc (2 x 43 dBm)					
Dissipative Loss	≤ 0.2 dB	≤ 0.15 dB	≤ 0.1 dB	≤ 0.1 dB	≤ 0.1 dB	≤ 0.1 dB

Mechanical	
Plating	Silver / Trimetal
Input Connection(s)	N(f)
Colour	Black
Weight	0.47 kg / 1.04 lb
RoHS Compliant	Yes
Mounting	4.5mm dia. (two holes)

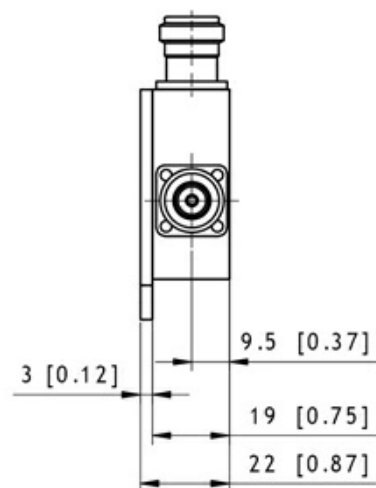
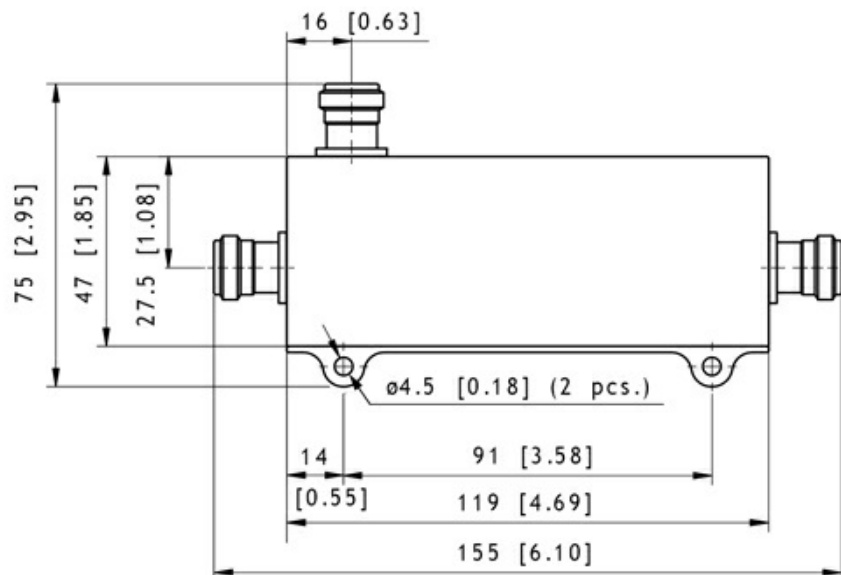
Environmental	
Operating Temperature Range	-35°C to +70°C
Humidity	< 95%
Ingress Protection	IP65

ADDITIONAL DATA

MOUNTING DETAILS

ADC-03-WBM-LP-NF-CC

ADC-06-WBM-LP-NF-CC

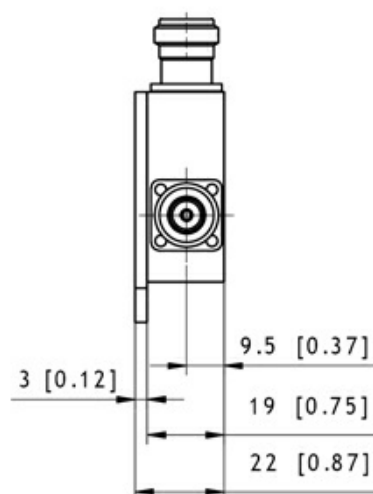
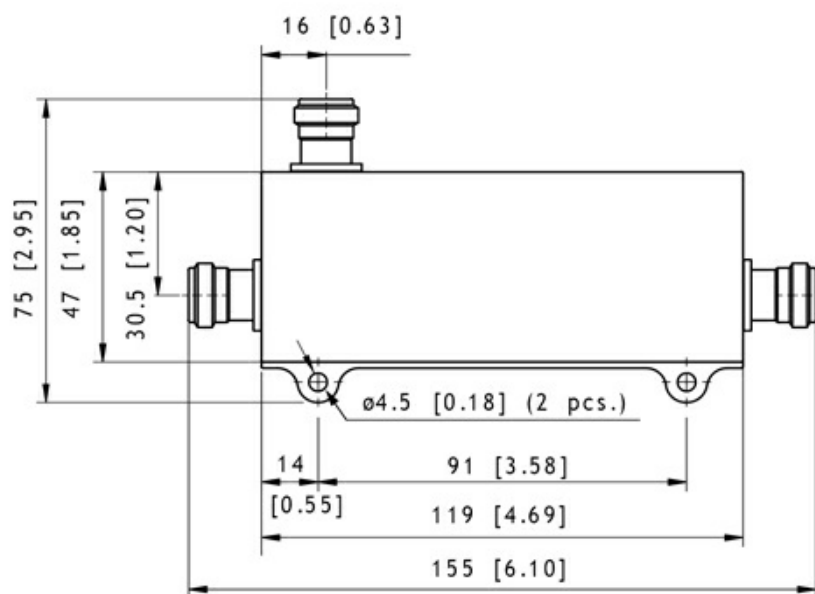


ADC-10-WBM-LP-NF-CC

ADC-15-WBM-LP-NF-CC

ADC-20-WBM-LP-NF-CC

ADC-30-WBM-LP-NF-CC



All dimensions are given in mm [in.]