

Directional Coupler 300 W

DESCRIPTION

- Amphenol directional couplers are designed to give optimum performance between 380 - 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-WBS-LP-NF-CC	380 - 2700 MHz
6dB Coupling	ADC-06-WBS-LP-NF-CC	380 - 2700 MHz
10dB Coupling	ADC-10-WBS-LP-NF-CC	380 - 2700 MHz
15dB Coupling	ADC-15-WBS-LP-NF-CC	380 - 2700 MHz
20dB Coupling	ADC-20-WBS-LP-NF-CC	380 - 2700 MHz
30dB Coupling	ADC-30-WBS-LP-NF-CC	380 - 2700 MHz

SPECIFICATIONS

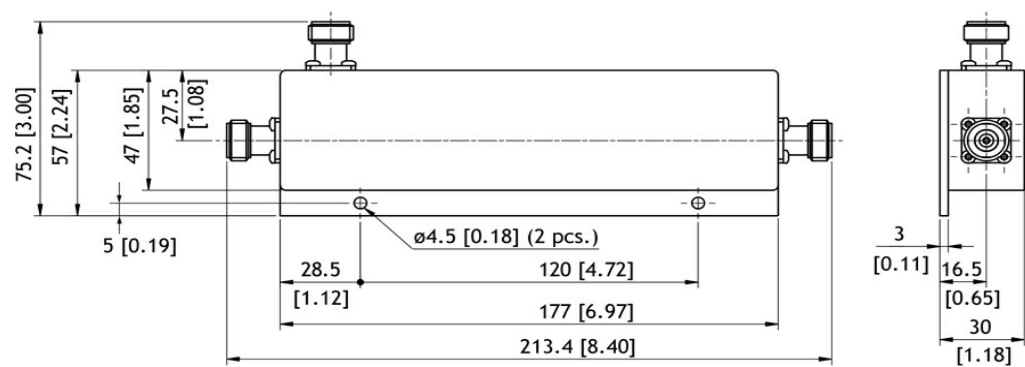
Electrical						
Frequency	380 - 2700 MHz					
Max. Input Power	300 W					
Coupling	3 dB	6 dB	10 dB	15 dB	20 dB	30 dB
Coupling Tolerance	+/- 1.2 dB					
Insertion Loss	3.6 dB	1.7 dB	0.7 dB	0.4 dB	0.3 dB	0.2 dB
Impedance	50 Ω					
Peak Input Power	1.5 kW					
Application	Indoor / Outdoor					
Isolation	23 dB	26 dB	30 dB	35 dB	40 dB	50 dB
VSWR	< 1.3:1	< 1.25:1	< 1.25:1	< 1.25:1	< 1.25:1	< 1.25:1
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
Connection(s)	N(f)
Colour	Black
Weight	0.66 kg / 1.46 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



All dimensions are given in mm [in.]

