

Main Features

- Low VSWR, low insertion loss
- Low PIM, high reliability
- High power handling
- High directivity between output and coupling port
- Compact design for easy installation
- Customized connector is available
- Optional values for coupling port

Electrical Specifications

Items	Value	
Frequency	698-4200MHz	
VSWR / Return loss	≤ 1.25 / -19dB	
Attenuation values	Coupling attenuation	Distribution loss
3dB: DC-3-0642-NF-155-01	$3 \pm 1.2\text{dB}$	$\leq 3.8\text{dB}$
5dB: DC-5-0642-NF-155-01	$5 \pm 1.1\text{dB}$	$\leq 2.3\text{dB}$
6dB: DC-6-0642-NF-155-01	$6 \pm 1.1\text{dB}$	$\leq 1.7\text{dB}$
7dB: DC-7-0642-NF-155-01	$7 \pm 1.1\text{dB}$	$\leq 1.5\text{dB}$
8dB: DC-8-0642-NF-155-01	$8 \pm 1.3\text{dB}$	$\leq 1.5\text{dB}$
10dB: DC-10-0642-NF-155-01	$10 \pm 1.3\text{dB}$	$\leq 1.0\text{dB}$
12dB: DC-12-0642-NF-155-01	$12 \pm 1.3\text{dB}$	$\leq 1.0\text{dB}$
13dB: DC-13-0642-NF-155-01	$13 \pm 1.3\text{dB}$	$\leq 1.0\text{dB}$
15dB: DC-15-0642-NF-155-01	$15 \pm 1.3\text{dB}$	$\leq 0.5\text{dB}$
20dB: DC-20-0642-NF-155-01	$20 \pm 1.3\text{dB}$	$\leq 0.4\text{dB}$
25dB: DC-25-0642-NF-155-01	$25 \pm 1.6\text{dB}$	$\leq 0.4\text{dB}$
30dB: DC-30-0642-NF-155-01	$30 \pm 1.6\text{dB}$	$\leq 0.3\text{dB}$
35dB: DC-35-0642-NF-155-01	$35 \pm 1.8\text{dB}$	$\leq 0.3\text{dB}$
40dB: DC-40-0642-NF-155-01	$40 \pm 1.8\text{dB}$	$\leq 0.3\text{dB}$
Directivity	20dB	
Power handling	300W	
Intermodulation (3rd order)	$\leq -155\text{dBc}@2\text{x}43\text{dBm}$	
Impedance	50Ω	

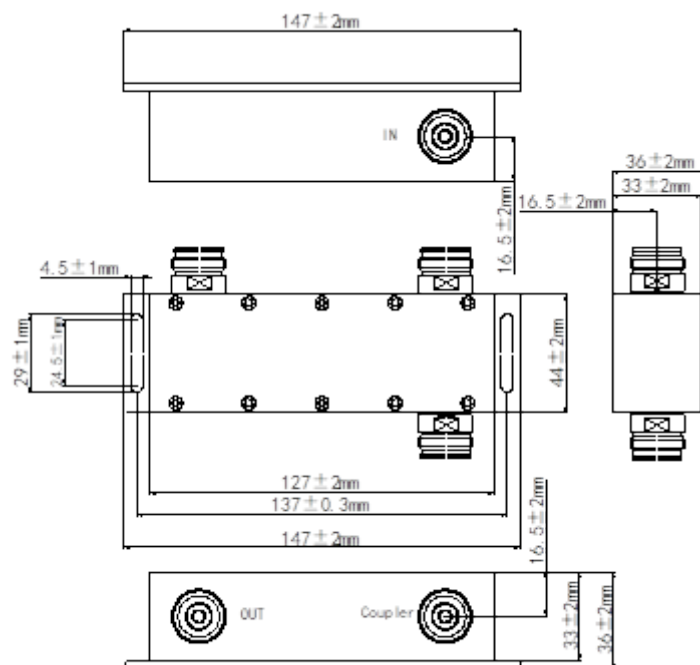
Environmental Specifications

Items	Value
Operating temperature range	-30°C to +70°C
Storage temperature range	-40°C to +85°C
Relative humidity	0%- 95%
Barometric pressure	55KPa -106KPa
Applications	IP65

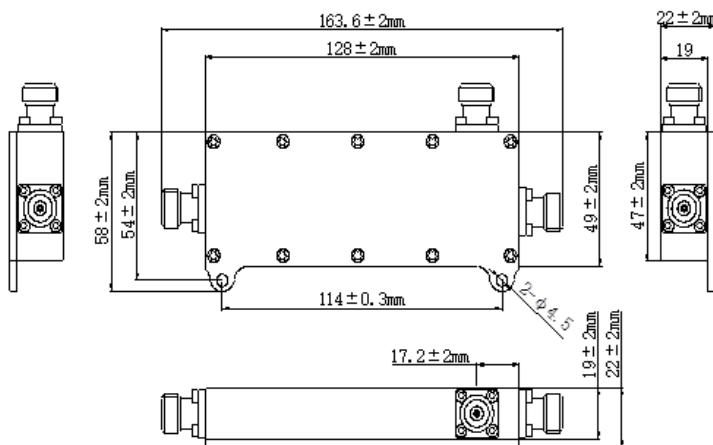
Mechanical Specifications

Items	Value
Dimension (For 3dB type)	127 x 44 x 36 (mm, excluding connectors and brackets)
Weight (For 3dB type)	0.5kg
Dimension (For other types)	128 x 49 x 30 (mm, excluding connectors and brackets)
Weight (For other types)	0.5kg
Connectors type	N female
Mounting	Plane
Packing	1Pcs in box

Outline Drawing



3dB Type



Other Types

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.