

## 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                   | 380-4200MHz             |                   |
| VSWR / Return loss          | $\leq 1.25$ / -19dB     |                   |
| Attenuation values          | Coupling attenuation    | Distribution loss |
| 5dB: DC-5-0342-NF-155-01    | $5 \pm 1.6$ dB          | $\leq 2.7$ dB     |
| 6dB: DC-6-0342-NF-155-01    | $6 \pm 1.6$ dB          | $\leq 2.2$ dB     |
| 7dB: DC-7-0342-NF-155-01    | $7 \pm 1.6$ dB          | $\leq 1.8$ dB     |
| 8dB: DC-8-0342-NF-155-01    | $8 \pm 1.8$ dB          | $\leq 1.8$ dB     |
| 10dB: DC-10-0342-NF-155-01  | $10 \pm 1.8$ dB         | $\leq 1.2$ dB     |
| 12dB: DC-12-0342-NF-155-01  | $12 \pm 1.8$ dB         | $\leq 1.2$ dB     |
| 13dB: DC-13-0342-NF-155-01  | $13 \pm 1.8$ dB         | $\leq 1.2$ dB     |
| 15dB: DC-15-0342-NF-155-01  | $15 \pm 1.8$ dB         | $\leq 0.8$ dB     |
| 20dB: DC-20-0342-NF-155-01  | $20 \pm 1.8$ dB         | $\leq 0.6$ dB     |
| 25dB: DC-25-0342-NF-155-01  | $25 \pm 2.3$ dB         | $\leq 0.6$ dB     |
| 30dB: DC-30-0342-NF-155-01  | $30 \pm 2.3$ dB         | $\leq 0.6$ dB     |
| 35dB: DC-35-0342-NF-155-01  | $35 \pm 2.8$ dB         | $\leq 0.6$ dB     |
| 40dB: DC-40-0342-NF-155-01  | $40 \pm 2.8$ dB         | $\leq 0.6$ dB     |
| Directivity                 | 16dB                    |                   |
| Power handling              | 300W                    |                   |
| Intermodulation (3rd order) | $\leq -155$ dBc@2x43dBm |                   |
| Impedance                   | 50 $\Omega$             |                   |

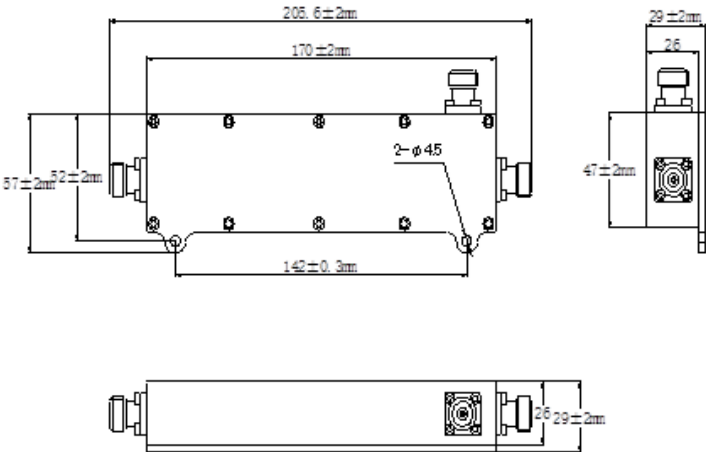
Environmental Specifications

| 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       | 170 x 47 x 29 (mm, excluding connectors and brackets) |
| Weight          | 0.45kg                                                |
| Connectors type | N female                                              |
| Mounting        | Plane                                                 |
| Packing         | 1Pcs in box                                           |

Outline Drawing



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