



## NDI3546X

### High Power, High Isolation

**Features:**

- \* High Power
- \* High Isolation
- \* Low Insertion Loss
- \* Low VSWR

**Applications:**

- \* Wireless
- \* Radar
- \* Laboratory Test

**Description**

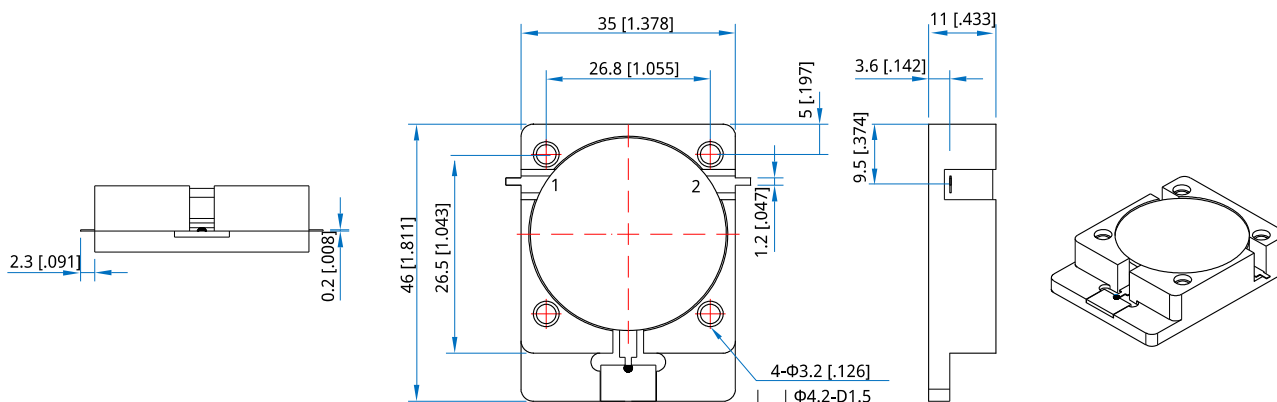
NDI3546X series Drop-In Isolators cover frequency range 300~1850MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

**Specifications**

| Frequency<br>(MHz) | Bandwidth<br>(MHz) | Insertion Loss<br>(dB Max.) | Isolation<br>(dB Min.) | VSWR<br>(Max.) | Fwd Power<br>(W Max.) | Rev Power<br>(W) | Temperature<br>(°C) |
|--------------------|--------------------|-----------------------------|------------------------|----------------|-----------------------|------------------|---------------------|
| 300~350            | 50                 | 0.70                        | 18.0                   | 1.35           | 300                   | 100              | -30~+70             |
| 300~400            | 20                 | 0.40                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 350~370            | 20                 | 0.40                        | 23.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 361~366            | 5                  | 0.40                        | 23.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 400~470            | 70                 | 0.40                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 400~600            | 20                 | 0.30                        | 23.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 400~600            | 50                 | 0.40                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 470~570            | 100                | 0.40                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 500~700            | 200                | 0.70                        | 18.0                   | 1.30           | 300                   | 100              | -30~+70             |
| 600~800            | 30                 | 0.25                        | 25.0                   | 1.15           | 300                   | 100              | -30~+70             |
| 600~800            | 100                | 0.30                        | 23.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 600~800            | 200                | 0.45                        | 19.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 700~1000           | 30                 | 0.25                        | 25                     | 1.15           | 300                   | 100              | -30~+70             |
| 700~1000           | 100                | 0.30                        | 23.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 700~1000           | 200                | 0.50                        | 18.0                   | 1.30           | 300                   | 100              | -30~+70             |
| 950~1450           | 500                | 0.60                        | 18.0                   | 1.30           | 300                   | 100              | -30~+70             |
| 960~1215           | 255                | 0.30                        | 21.0                   | 1.20           | 300                   | 100              | -30~+70             |
| 960~1260           | 300                | 0.45                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 1000~1500          | 500                | 0.60                        | 18.0                   | 1.30           | 300                   | 100              | -30~+70             |
| 1020~1040          | 20                 | 0.25                        | 25.0                   | 1.15           | 300                   | 100              | -30~+70             |
| 1160~1610          | 450                | 0.50                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |
| 1290~1310          | 20                 | 0.25                        | 25.0                   | 1.15           | 300                   | 100              | -30~+70             |
| 1350~1850          | 500                | 0.50                        | 20.0                   | 1.25           | 300                   | 100              | -30~+70             |

## NDI3546X

### Outline Drawings



Unit: mm [inch]      Tolerance: ±0.2mm [±0.008in]

### Mechanical

|                      |                                            |
|----------------------|--------------------------------------------|
| Size <sup>*1</sup> : | 35*46*11mm<br>1.378*1.811*0.433in          |
| Connector Type:      | Strip line                                 |
| Mounting:            | 4-Φ3.2mm through-hole<br>Φ4.2, depth 1.5mm |

[1] Exclude connectors and terminations.

### How To Order

**NDI3546X-X-Y-Z**  
X: Start frequency in MHz  
Y: Stop frequency in MHz  
Z: Reverse Power in W

### Examples:

To order a NDI3546X series Isolator, 1350~1850MHz, 100W, specify NDI3546X-1350-1850-K1.

Customization is available upon request.