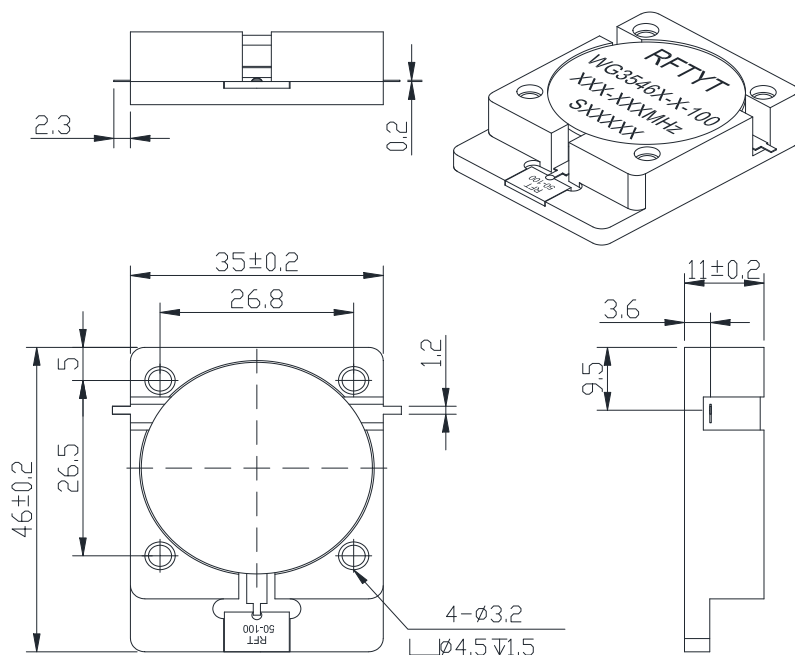
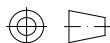




## 300 to 1850MHz Drop in Isolator

### WG3546X Drop-In Type

#### Outline Drawing (mm):



#### Features:

- ◇ Good temperature stability
- ◇ Withstand high power
- ◇ RoHS compliant
- ◇ Weight :  $\approx 93$  g

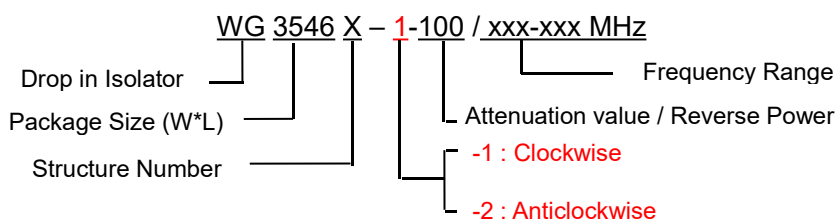
#### Material list:

- ◇ Shell: Steel
- Coating: Bright Nickel
- ◇ Inner conductor: Brass
- Coating: Silver

#### Application:

- ◇ Protect the power amplifier and  
Installed at the end of RF power  
amplifier
- ◇ Transceiver common antenna
- ◇ GSM1800/CDMA/TD-SCDMA/WCD  
MA/EGSM/Wimax/TD-LTE/AMPS/S  
MR 5G and other communication  
systems

#### Order Examples:



#### Basic Specifications:

|                     |                   |
|---------------------|-------------------|
| Impedance           | 50 $\Omega$       |
| Size(mm)            | 35.0*46.0*11.0    |
| Operating Temp      | -30~+70℃/-40~+85℃ |
| Storage temperature | -50~+90℃          |



## Specifications:

| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq.<br>Range<br>MHz | IL.<br>dB<br>(max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|-----------------------|--------------------|-----------------------|------|------------------------|-----------------------|
| WG3546X-X-100/300-320MHz                                | 300-320               | 0.60               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/300-350MHz                                | 300-350               | 0.80               | 18.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/309-339MHz                                | 309-339               | 0.50               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/310-340MHz                                | 310-340               | 0.50               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/320-340MHz                                | 320-340               | 0.45               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/350-370MHz                                | 350-370               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/350-400MHz                                | 350-400               | 0.50               | 19.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/361-366MHz                                | 361-366               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/370-420MHz                                | 370-420               | 0.50               | 19.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/380-410MHz                                | 380-410               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/380-460MHz                                | 380-460               | 0.50               | 18.0                  | 1.30 | 100                    | 100                   |
| WG3546X-X-100/390-410MHz                                | 390-410               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/400-410MHz                                | 400-410               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/400-440MHz                                | 400-440               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/400-450MHz                                | 400-450               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/400-470MHz                                | 400-470               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/400-500MHz                                | 400-500               | 0.50               | 19.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/410-460MHz                                | 410-460               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/413-419MHz                                | 413-419               | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/419-425MHz                                | 419-425               | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/420-450MHz                                | 420-450               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/420-480MHz                                | 420-480               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/425-475MHz                                | 425-475               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/429-439MHz                                | 429-439               | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/430-440MHz                                | 430-440               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |



| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq.<br>Range<br>MHz | IL.<br>dB<br>(max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|-----------------------|--------------------|-----------------------|------|------------------------|-----------------------|
| WG3546X-X-100/430-460MHz                                | 430-460               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/430-470MHz                                | 430-470               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/433-457MHz                                | 433-457               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/435-437MHz                                | 435-437               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/440-470MHz                                | 440-470               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/447-499MHz                                | 447-499               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/450-456MHz                                | 450-456               | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/450-500MHz                                | 450-500               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/450-520MHz                                | 450-520               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/450-550MHz                                | 450-550               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/455-465MHz                                | 455-465               | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/459-486MHz                                | 459-486               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/470-490MHz                                | 470-490               | 0.30               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/470-530MHz                                | 470-530               | 0.40               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/470-570MHz                                | 470-570               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/470-610MHz                                | 470-610               | 0.50               | 18.0                  | 1.30 | 100                    | 100                   |
| WG3546X-X-100/475-525MHz                                | 475-525               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/495-516MHz                                | 495-516               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/500-600MHz                                | 500-600               | 0.40               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/500-700MHz                                | 500-700               | 0.70               | 17.5                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/570-670MHz                                | 570-670               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/580-720MHz                                | 580-720               | 0.45               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/600-700MHz                                | 600-700               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/670-770MHz                                | 670-770               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/690-860MHz                                | 690-860               | 0.40               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/700-862MHz                                | 700-862               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/700-900MHz                                | 700-900               | 0.50               | 18.0                  | 1.30 | 100                    | 100                   |



| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq.<br>Range<br>MHz | IL.<br>dB<br>(max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|-----------------------|--------------------|-----------------------|------|------------------------|-----------------------|
| WG3546X-X-100/703-862MHz                                | 703-862               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/770-860MHz                                | 770-860               | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/600-800MHz                                | 600-800               | 0.50               | 18.0                  | 1.30 | 100                    | 100                   |
| WG3546X-X-100/700-1000MHz                               | 700-1000              | 0.60               | 16.0                  | 1.40 | 100                    | 100                   |
| WG3546X-X-100/750-950MHz                                | 750-950               | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/800-1000MHz                               | 800-1000              | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/854-921MHz                                | 854-921               | 0.30               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/860-872MHz                                | 860-872               | 0.25               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/862-960MHz                                | 862-960               | 0.30               | 25.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/900-930MHz                                | 900-930               | 0.25               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/900-1000MHz                               | 900-1000              | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/900-1100MHz                               | 900-1100              | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/950-1000MHz                               | 950-1000              | 0.30               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/950-1250MHz                               | 950-1250              | 0.45               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/950-1280MHz                               | 950-1280              | 0.50               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/950-1450MHz                               | 950-1450              | 0.60               | 17.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/955-1220MHz                               | 955-1220              | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/960-1160MHz                               | 960-1160              | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/960-1215MHz                               | 960-1215              | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/960-1260MHz                               | 960-1260              | 0.45               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/1000-1100MHz                              | 1000-1100             | 0.30               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/1000-1500MHz                              | 1000-1500             | 0.60               | 17.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/1015-1045MHz                              | 1015-1045             | 0.25               | 23.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/1020-1040MHz                              | 1020-1040             | 0.25               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/1020-1100MHz                              | 1020-1100             | 0.25               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/1022-1540MHz                              | 1022-1540             | 0.60               | 17.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/1030-1039MHz                              | 1030-1039             | 0.20               | 25.0                  | 1.15 | 100                    | 100                   |



| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq.<br>Range<br>MHz | IL.<br>dB<br>(max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|-----------------------|--------------------|-----------------------|------|------------------------|-----------------------|
| WG3546X-X-100/1030-1090MHz                              | 1030-1090             | 0.25               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/1100-1600MHz                              | 1100-1600             | 0.50               | 17.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/1100-1650MHz                              | 1100-1650             | 0.60               | 17.0                  | 1.35 | 100                    | 100                   |
| WG3546X-X-100/1100-1699MHz                              | 1100-1699             | 0.60               | 16.0                  | 1.40 | 100                    | 100                   |
| WG3546X-X-100/1160-1610MHz                              | 1160-1610             | 0.50               | 18.0                  | 1.30 | 100                    | 100                   |
| WG3546X-X-100/1200-1400MHz                              | 1200-1400             | 0.30               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/1200-1400MHz                              | 1200-1400             | 0.40               | 20.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/1285-1315MHz                              | 1285-1315             | 0.20               | 23.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/1290-1310MHz                              | 1290-1310             | 0.20               | 25.0                  | 1.15 | 100                    | 100                   |
| WG3546X-X-100/1300-1700MHz                              | 1300-1700             | 0.40               | 20.0                  | 1.20 | 100                    | 100                   |
| WG3546X-X-100/1350-1850MHz                              | 1350-1850             | 0.50               | 19.0                  | 1.25 | 100                    | 100                   |
| WG3546X-X-100/1100-1700MHz                              | 1100-1700             | 0.60               | 16.0                  | 1.40 | 100                    | 100                   |
| WG3546X-X-100/1500-1700MHz                              | 1500-1700             | 0.30               | 20.0                  | 1.25 | 100                    | 100                   |

**If the frequency range you need is not covered in the form.  
Please contact us for details.**