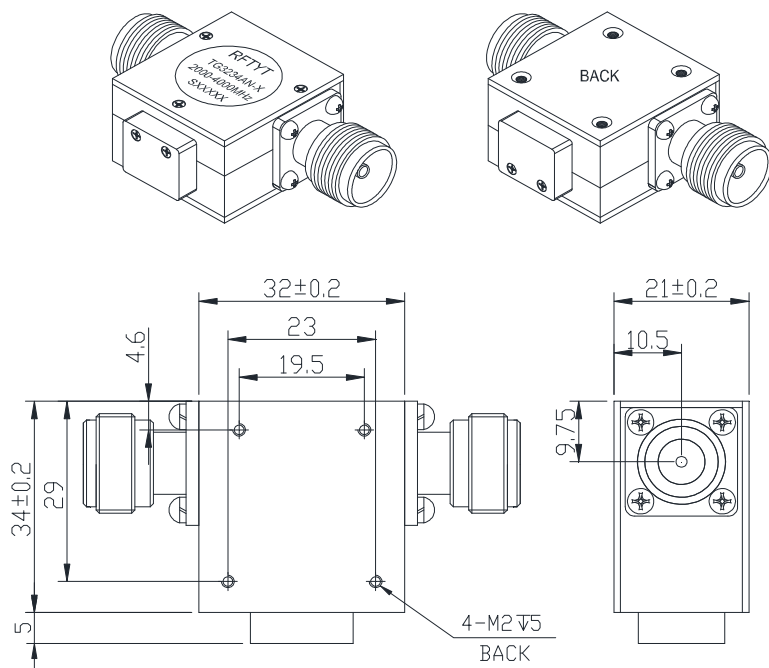




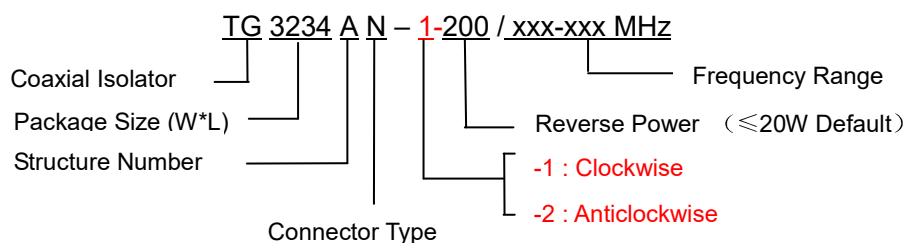
## 2.0 to 4.0GHz Coaxial Isolator

### TG3234AN N Type

#### Outline Drawing (mm):



#### Order Examples:



#### Features:

- ◇ Good temperature stability
- ◇ Withstand high power
- ◇ RoHS compliant
- ◇ Weight : ≈ 105 g

#### Material list:

- ◇ Cavity: aluminum conductive oxidation
- ◇ Outer shell: industrial pure iron nickel plating
- ◇ Guide body: Silver plated brass
- ◇ Load chamber: aluminum conductive oxidation

#### Application:

- ◇ Rf amplifier final stage, protect the amplifier
- ◇ Medium capacity microwave communication
- ◇ Guide body: Silver plated brass
- ◇ GSM/CDMA/TD-SCDMA/WCDMA
- ◇ EGSM/Wimax/TD-LTE/AMPS/SMR
- ◇ 5G and other communication systems

#### Connector Type:

| SMA Type Connector Options |        |              | N Type Connector Options |        |              |
|----------------------------|--------|--------------|--------------------------|--------|--------------|
| Port 1                     | Port 2 | Abbreviation | Port 1                   | Port 2 | Abbreviation |
| SMA-F                      | SMA-F  | S            | N-F                      | N-F    | N            |
| SMA-F                      | SMA-M  | SKJ          | N-F                      | N-M    | NKJ          |
| SMA-M                      | SMA-F  | SJK          | N-M                      | N-F    | NJK          |
| SMA-M                      | SMA-M  | SJ           | N-M                      | N-M    | NJ           |

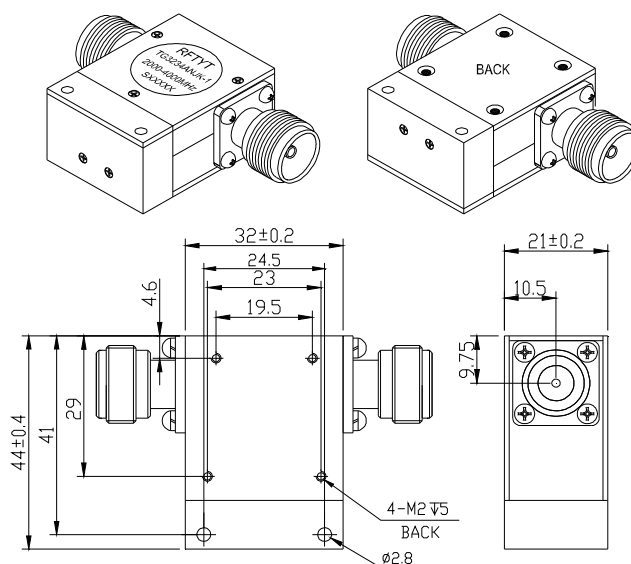
## Basic Specifications:

|                     |                |
|---------------------|----------------|
| Impedance           | 50 $\Omega$    |
| Connector Type      | N-F            |
| Size(mm)            | 32.0*34.0*21.0 |
| Operating Temp      | -10~+60℃       |
| Storage temperature | -50~+90℃       |

## Specifications:

| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq.<br>Range<br>GHz | IL.<br>dB (max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|-----------------------|-----------------|-----------------------|------|------------------------|-----------------------|
| TG3234AN-X/2000-3000MHz                                 | 2.0-3.0               | 0.40            | 18.0                  | 1.30 | 150                    | 20/100                |
| TG3234AN-X/2000-3500MHz                                 | 2.0-3.5               | 0.40            | 18.0                  | 1.30 | 150                    | 20/100                |
| TG3234AN-X/2000-4000MHz                                 | 2.0-4.0               | 0.50            | 18.0                  | 1.30 | 150                    | 20/100                |
| TG3234AN-X/2500-3500MHz                                 | 2.5-3.5               | 0.40            | 20.0                  | 1.25 | 150                    | 20/100                |
| TG3234AN-X/2500-4000MHz                                 | 2.5-4.0               | 0.40            | 18.0                  | 1.30 | 150                    | 20/100                |

## Reflected power 100W size diagram



The reflected power of this figure is 100W, the indicators are the same as the table, model  
**TG3234AN-X-100/XXX-XXXMHz**



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### Instructions:

- 1, the isolator connector can be selected SMA, N, male and female head can be used with the user;
- 2, the reflection power is commonly used 20W and 100W options, you can also configure the total reflection power according to user requirements;
- 3, only some common frequencies in the table, can be produced according to the user's requirements;
- 4, if you do not find what you are looking for, please contact us!