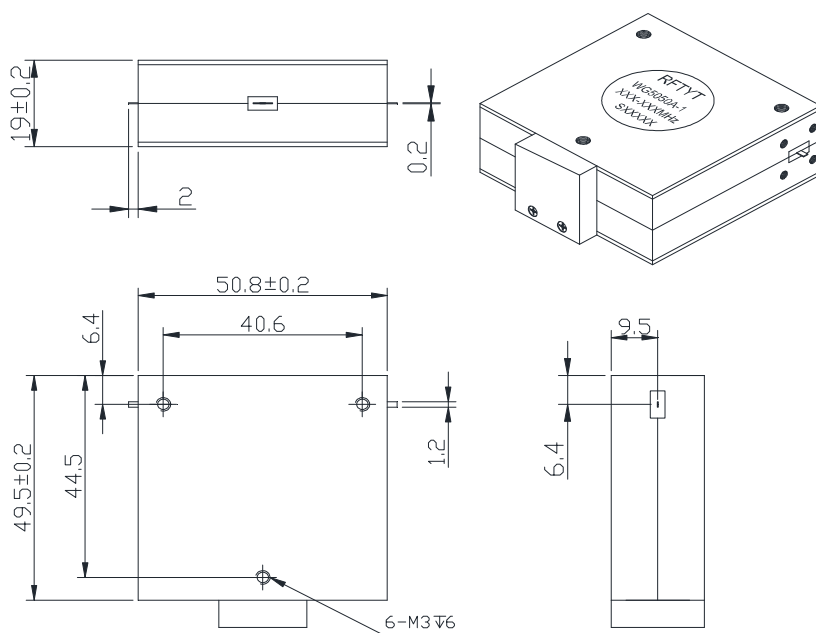


## 1.35 to 3.0GHz Drop in Isolator

### WG5050A Drop-In Type

#### Outline Drawing (mm):



#### Features:

- ✧ Good temperature stability
- ✧ Withstand high power
- ✧ RoHS compliant
- ✧ Weight :  $\approx 190$  g

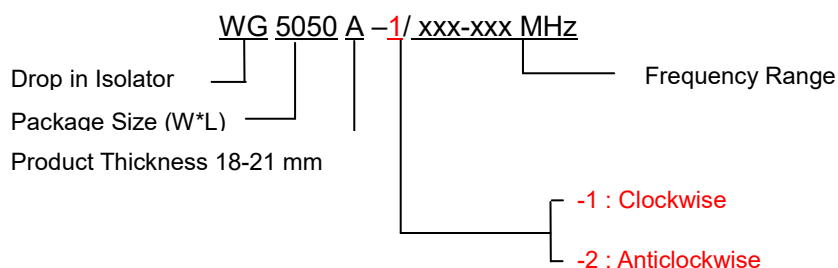
#### Material list:

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

#### Application:

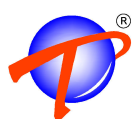
- ✧ Protect the power amplifier and  
Installed at the end of RF power  
amplifier
- ✧ Transceiver common antenna
- ✧ GSM1800/CDMA/TD-SCDMA/WCD  
MA/EGSM/Wimax/TD-LTE/AMPS/S  
MR 5G and other communication  
systems

#### Order Examples:



#### Basic Specifications:

|                     |                |
|---------------------|----------------|
| Impedance           | 50 $\Omega$    |
| Size(mm)            | 50.8*49.5*19.0 |
| Operating Temp      | -10~+60℃       |
| Storage temperature | -50~+90 ℃      |



Specifications:

| Model No.<br>(X=1: →Clockwise)<br>(X=2: ←Anticlockwise) | Freq. Range<br>GHz | IL.<br>dB<br>(max) | Isolation<br>dB (min) | VSWR | Forward<br>Power<br>CW | Reverse<br>Power<br>W |
|---------------------------------------------------------|--------------------|--------------------|-----------------------|------|------------------------|-----------------------|
| WG5050A-X/1250-2500MHz                                  | 1.25-2.5           | 0.80               | 16.0                  | 1.50 | 150                    | 20/100                |
| WG5050A-X/1350-2700MHz                                  | 1.35-2.7           | 0.60               | 17.0                  | 1.35 | 150                    | 20/100                |
| WG5050A-X/1350-2900MHz                                  | 1.35-2.9           | 0.70               | 16.0                  | 1.50 | 150                    | 20/100                |
| WG5050A-X/1400-2800MHz                                  | 1.4-2.8            | 0.60               | 17.0                  | 1.35 | 150                    | 20/100                |
| WG5050A-X/1500-2500MHz                                  | 1.5-2.5            | 0.50               | 18.0                  | 1.30 | 150                    | 20/100                |
| WG5050A-X/1500-3000MHz                                  | 1.5-3.0            | 0.60               | 17.0                  | 1.35 | 150                    | 20/100                |