Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

# Coaxial Circulator

## SMA Female/250W

## Model: TLC8G18G

The TLC8G18G is a coaxial circulator designed to operate from 8GHz to 18GHz. The coaxial circulator offers minimum 16 dB isolation and 1.5:1 maximum VSWR. The input and output port configuration offers coax adapter structure with SMA female.

## Features:

- Operating Frequency 8 to 18GHz
- Low Insertion Loss
- Moderate Isolation
- Compact Configuration

## Applications:

- Port Isolation
- Module Integration

## Electrical Characteristics:

| Parameter | Min | Typ | Max | Units |
|---|---|---|---|---|
| Frequency Range | 8 | | 18 | GHz |
| Insertion Loss@25℃ | | | 0.8 | dB |
| Insertion Loss@-30~+70℃ | | | 0.9 | dB |
| Isolation@25℃ | 16 | | | dB |
| Isolation@-30~+70℃ | 14 | | | dB |
| VSWR@25℃ | | | 1.5 | :1 |
| VSWR@-30~+70℃ | | | 1.6 | :1 |
| Power Handling | Average: 25W | | | W |
| Direction | Clockwise: 1→2→3 | | | |
| Impedance | 50 | | | Ohms |

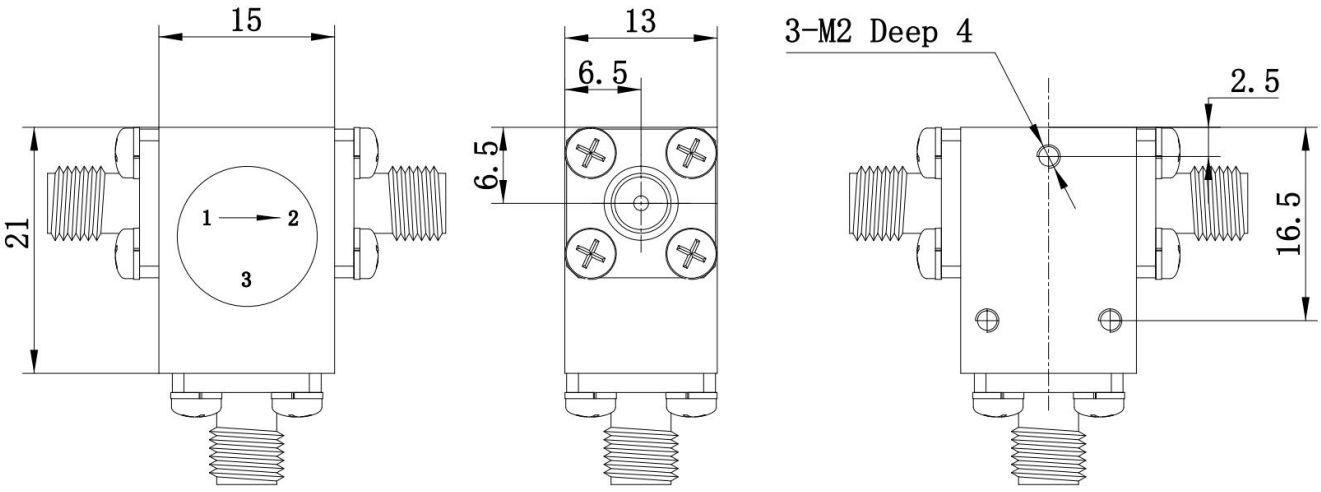
## Envrionmental And Physical Characteristics:

| Parameter | Value | Units |
|---|---|---|
| Operating Temerature | -30 To +70 | ℃ |
| Connectors | SMA Female | |
| Size | 15*21*13 | mm |

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

## Outline Drawing:

Unit:mm; Tolerance:±0.1mm




ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number | Description | Revision |
|---|---|---|
| TLC8G18G | Coaxial Circulator, 8-18GHz,<br>Insertion loss: 0.8dB, Port Isolation: 16dB | Rev.1.0 |