

GD04-5-2.7-3.5G

Applications

- Radar Systems
- Wireless Radio Systems
- Communication Systems
- Military
- Telecom Infrastructure
- Microwave Radio Systems
- R&D Labs

Description

Goghel is a single junction isolator offering a forward power rating of 50 Watt and reverse power rating of 50 Watt CW over an operational frequency band of 2.7 to 3.5 GHz. This Tab Isolator uses Soldering Tab connectors on all ports and has a minimum of 20 dB isolation.

Goghel offers a wide variety of isolators to fit your needs. These are two-port devices that transmit microwave or radio.

frequency power in one direction only and block the signal in the opposite direction. They can be thought of as a diode for RF energy. Isolators are used to isolate equipment from the effects of conditions outside of the equipment. For instance they are used to prevent a microwave source being detuned by a mismatched load. Goghel's isolators feature excellent insertion loss, high isolation and reliability.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------|---------|---------|---------|-------|
| Frequency Range | 2.7 | | 3.5 | GHz |
| Isolation | 20 | | | dB |
| Insertion Loss | | | 0.3 | dB |
| VSWR | | | 1.2 | |
| Forward Power, CW | | | 50 | Watts |
| Reverser Power, CW | | | 50 | Watts |
| Impedance | | | 50 | Ohms |
| Operating Temp | -55 | | 85 | °C |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 0.748 in [12.7 mm] |
| Width | 1 in [25.4 mm] |
| Height | 0.315 in [8 mm] |



Circulator & ISOLator Series

Configuration

| | |
|---------------|-----------------|
| Design | Single Junction |
| Package Style | Tab |
| Connector 1 | Drop- In Tab |
| Connector 2 | Drop-In Tab |

CAD Drawing

Isolator With 20 dB Isolation From 2.7GHZ to3.5GHz 50 Watts And TAB

