

GD05-4001-6-6.6G

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 30 Watt and reverse power rating of 30 Watt CW over an operational frequency band of 6 to 6.6 GHz. This Tab Isolator uses Soldering Tab connectors on all ports and has a minimum of 19 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 | 6 | | 6.6 | GHz |
| Isolation | 19 | | | dB |
| Insertion Loss | | | 0.4 | dB |
| VSWR | | | 1.25 | |
| Forward Power, CW | | | 30 | Watts |
| Reverser Power, CW | | | 10 | Watts |
| Impedance | | | 50 | Ohms |
| Operating Temp | -40 | | 70 | °C |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 0.453 in [11.5 mm] |
| Width | 0.453 in [11.5 mm] |
| Height | 0.217 in [5.5 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 6GHZ to 6.6GHz 30 Watts And TAB

