

## GGDS16-12-18G

### 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 10 Watt and reverse power rating of 10 Watt CW over an operational frequency band of 12 to 18 GHz. This Tab Isolator uses Soldering Tab connectors on all ports and has a minimum of 16 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	12		18	GHz
Isolation	16			dB
Insertion Loss			0.6	dB
VSWR			1.35	
Forward Power, CW			10	Watts
Reverser Power, CW			10	Watts
Impedance			50	Ohms
Operating Temp	-40		70	°C

### Mechanical Specifications

#### Size

Length	0.394 in [ 10 mm]
Width	0.315 in [ 8 mm]
Height	0.197 in [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 16 dB Isolation From 12GHz to 18GHz 10 Watts And TAB

