

GPGS1318D-7.9-8.4G

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 60 Watt and reverse power rating of 60 Watt CW over an operational frequency band of 7.9 to 8.4 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	7.9		8.4	GHz
Isolation	20			dB
Insertion Loss			0.3	dB
VSWR			1.2	
Forward Power, CW			60	Watts
Reverser Power, CW			60	Watts
Impedance			50	Ohms
Operating Temp	-40		70	°C

Mechanical Specifications

Size

Length	0.512	in [13 mm]
Width	0.709	in [18 mm]
Height	0.335	in [8.5 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 7.9GHZ to 8.4GHz 60 Watts And TAB

