

GPHGE1512D-8.5-10.5G

Applications

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

Description

Goghel is a Dual junction isolator offering a forward power rating of 20 Watt and reverse power rating of 20 Watt CW over an operational frequency band of 8.5 to 10.5 GHz. This Tab Isolator uses SMT on all ports and has a minimum of 38 dB isolation.

Goghel offers a wide variety of isolators to fit your needs. These are three-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	8.5		10.5	GHz
Isolation	38			dB
Insertion Loss			0.7	dB
VSWR			1.25	
Forward Power, CW			20	Watts
Reverser Power, CW			20	Watts
Impedance			50	Ohms
Operating Temp	-40		70	°C

Mechanical Specifications

Size

Length	0.591 in [15 mm]
Width	0.472 in [12 mm]
Height	0.217 in [5.5 mm]

Configuration

Design	Dual Junction
Package Style	SMD
Connector 1	SMD
Connector 2	SMD

CAD Drawing

Isolator With 38dB Isolation From 8.5GHZ to 10.5GHZ 20 Watts And SMD

