

GGDS24-2-2.5G(SMA-J)

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 2 to 2.5 GHz. This coaxial isolator uses SMA-J Male connectors on all ports and has a minimum of 18 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		2.5	GHz
Isolation	18			dB
Insertion Loss			0.3	dB
VSWR			1.25	
Forward Power, CW			30	Watts
Reverser Power, CW			30	Watts
Impedance			50	Ohms
Operating Temp	-55		85	°C

Mechanical Specifications

Size

Length	0.787 in [20 mm]
Width	0.866 in [22 mm]
Height	0.472 in [12 mm]



Circulator & ISOLator Series

Configuration

Design	Single Junction
Package Style	Connectorized
Connector 1	SMA-J
Connector 2	SMA-J

CAD Drawing

Isolator With 18 dB Isolation From 2GHZ to 2.5GHz 30 Watts And TAB

