

GHWS0606-9.3-9.5G**Applications**

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

Description

Goghel carries a broad selection of circulators to fit your needs. These unique devices allow two different direction signals to share the same channel. The classic use of this three port device is for routing signals between an antenna and a transceiver, allowing the receive signal to enter from the antenna (port 1) and exit to the receiver (port 2) while the transmit signal enters from the transmitter (port 3) and exits to the antenna (port 1).

The circulator can also be used as an isolator by placing a matched load into one of the ports. These components can be used in antenna transmitting and receiving, radar, amplifier systems and any application that requires isolation from a signal reflection and the ability to send signals in opposite directions down a single channel. These circulators feature excellent insertion loss, high isolation and reliability.

The **GHWS0606-9.3-9.5G** is a single junction circulator that operates from 9.3 to 9.5GHz and can handle up to 15 Watts (CW) in the forward direction. The drop in Tab uses Bonding on all ports and has electrical specifications of 1.15:1 max VSWR, 22dB min isolation and 0.4dB max insertion loss. The package is RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	9.3		9.5	GHz
Isolation			22	dB
Insertion Loss			0.4	dB
VSWR			1.15: 1	
Forward Power, CW		15		Watts
Reverser Power, CW	/	/	/	Watts
Impedance		50		Ohms
Operating Temp	-50		85	°C

Mechanical Specifications

Size

Length	0.236 in[6 mm]
Width	0.236 in[6 mm]
Height	0.118 in[3 mm]

Configuration

Design	Single	Junction
Package Style	Microstrip	
Connector 1	Microstrip	
Connector 2	Microstrip	
Connector 3	Microstrip	

CAD Drawing

Circulator With 22dB Isolation From 9.3 GHZ to 9.5GHz 15 Watts And Microstrip

