

## **Power Divider**

### **GHPD8S-1-4G**

#### **Applications**

- . **Wireless Communications**
- . **SATCOM**
- . **Test and Measurement**
- . **Military Communications**
- . **Commercial Communications**

#### **Description**

**GHPD8S-1-4G** 8 way SMA power divider (also known as a SMA coaxial power splitter) is rated for a minimum frequency of 1 GHz and a maximum frequency of 4 GHz. This Goghel 8 port SMA power divider / coaxial splitter has a 50 Ohm impedance and a maximum input power of 20 Watts(cw). Our SMA coaxial RF splitter / divider has a Female SMA type input and 8 Female SMA output ports.

This 8 way SMA RF power divider from Goghel is a reactive design and has a maximum insertion loss of 0. The maximum input VSWR of this SMA reactive splitter / divider is 1.45:1 and the minimum isolation is 20 dB.

Goghel offers power dividers and combiners that are highly reliable with exceptional specifications offering broadband frequency ranges, high isolation, low insertion loss, low VSWR, low and high power solutions and can utilize different material construction such as stripline, microstrip, and lumped element technology to support various requirements and applications.

## Electrical Specifications

Model	<b>GHPD8S-1-4G</b>
NO.of Ways	<b>8</b>
Frequency Range (GHz)	<b>1 ~ 4</b>
Insertion Loss (dB)	$\leq 1.6$
Isolation(dB)	$\geq 20$
VSWR	$\leq 1.45:1$
Amplitude Balance(dB)	$\leq \pm 0.4$
Phase Balance( $^{\circ}$ )	$\leq \pm 5$
Power Handling(Watt)	Forward Power: $\leq 20$ (CW)
Operating Temperature( $^{\circ}\text{C}$ )	$-55 \sim +85$
Impedance	$50\Omega$
Port Connectors	SMA–FeMale
Surface Color	Black Paint (Options)
Outline Drawing	As Below

