

## **Power Divider**

### **GHPD4N-2-8G**

#### **Applications**

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

#### **Description**

**GHPD4N-2-8G** 4 way N power divider (also known as a N coaxial power splitter) is rated for a minimum frequency of 1 GHz and a maximum frequency of 4 GHz. This Goghel 4 port N power divider / coaxial splitter has a 50 Ohm impedance and a maximum input power of 20 Watts(cw). Our N coaxial RF splitter / divider has a female N type input and 4 female N output ports.

This 4 way N RF power divider from Goghel is a reactive design and has a maximum insertion loss of 0. The maximum input VSWR of this N reactive splitter / divider is 1.70:1 and the minimum isolation is 18 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>GHPD4N-2-8G</b>            |
| NO.of Ways                                  | <b>4</b>                      |
| Frequency Range (GHz)                       | 2 ~ 8                         |
| Insertion Loss (dB)                         | $\leq 1.5$                    |
| Isolation(dB)                               | $\geq 18$                     |
| VSWR                                        | $\leq 1.70:1$                 |
| Amplitude Balance(dB)                       | $\leq \pm 0.5$                |
| Phase Balance( $^{\circ}$ )                 | $\leq \pm 8$                  |
| Forward Coupling & Reverse Coupling (dB)    | /                             |
| Directivity(dB)                             | /                             |
| Power Handling(Watt)                        | Forward Power: $\leq 20$ (CW) |
| Operating Temperature( $^{\circ}\text{C}$ ) | -25 ~ +65                     |
| Impedance                                   | 50 $\Omega$                   |
| Port Connectors                             | N-Female                      |
| Surface Color                               | Black Paint (Options)         |
| Outline Drawing                             | As Below                      |

