

## **Directional Coupler**

### **GHDC10N-1-10G**

#### **Applications**

- . **Wireless Communications**
- . **SATCOM**
- . **Test and Measurement**
- . **Military Communications**
- . **Commercial Communications**
- . **including as electronic warfare (EW)**

#### **Description**

The **GHDC10N-1-10G** is a 10dB directional coupler that operates from 1 to 10GHz and can handle up to 100 Watts(CW)with 15 dB directivity minimum and 1.5:1 VSWR maximum.

Couplers are specifically developed for system applications that require external leveling, accurate monitoring, signal mixing, or swept transmission and reflection measurements.

For various applications, including as electronic warfare (EW), commercial wireless, SATCOM, radar, signal monitoring and measuring, antenna beam shaping, and EMC testing conditions, these couplers offer straightforward solutions.

#### **Function**

- .Low insertion loss and VSWR.
- .They are available in both narrow and broad bandwidths and can be used in a wide variety of applications including signal sampling,VSWR measurements,power combining and distribution.

## Electrical Specifications

Model	<b>GHDC10N-1-10G</b>
Frequency Range (GHz)	1 ~ 10
Coupling (dB)	$10 \pm 1.0$
Frequency Sensitivity(dB)	$\leq \pm 1.0$
Directivity(dB)	$\geq 15$
Insertion Loss (dB)	$\leq 1.5$
VSWR	$\leq 1.50 : 1$
Power Handling(Watt)	Ave $\leq 100$ Peak $\leq 1KW$
Operating Temperature( $^{\circ}C$ )	-25 ~ +65
Impedance	50 $\Omega$
Port Connectors	N-Female
Surface Color	Black Paint
Outline Drawing	As Below

