

Power Divider

GHPD5S-2.11-2.18G

Applications

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

Description

GHPD5S-2.11-2.18G 5 way SMA power divider (also known as a SMA coaxial power splitter) is rated for a minimum frequency of 2.11 GHz and a maximum frequency of 2.18 GHz. This Goghel 5 port SMA power divider / coaxial splitter has a 50 Ohm impedance and a maximum input power of 120 Watts(cw). Our SMA coaxial RF splitter / divider has a male SMA type input and 5 male SMA output ports.

This 5 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 1.20:1 and the minimum isolation is 22 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	GHPD5S-2.11-2.18G
NO.of Ways	5
Frequency Range (GHz)	2.11 ~ 2.18
Insertion Loss (dB)	≤ 0.6
Isolation(dB)	≥ 22
VSWR	$\leq 1.20:1$
Amplitude Balance(dB)	$\leq \pm 0.25$
Phase Balance($^{\circ}$)	$\leq \pm 3$
Forward Coupling & Reverse Coupling (dB)	40 ± 3
Directivity(dB)	≥ 10
Power Handling(Watt)	Forward Power: ≤ 120 (CW) ≤ 4000 (Peak Dutyfactor:2.5%)
Operating Temperature($^{\circ}\text{C}$)	-20 ~ +65
Impedance	50 Ω
Port Connectors	SMA–male/SMA-Female(Options)
Surface Color	Black Paint (Options)
Outline Drawing	As Below

