

180° Hybrid Coupler

GHHC180N-0.8-2.5G

Applications

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

Description

The **GHHC180N-0.8-2.5G** is a high power 180 degree hybrid coupler that operates from 0.8 to 2.5 GHz and can handle up to 250 Watts(CW) with 18 dB isolation minimum and 1.30:1 VSWR maximum. The package interface uses N female connectors, and REACH and RoHS compliant.

Hybrids Couplers featuring broad bandwidths together with tight amplitude imbalances and phase imbalance specifications. Signal splitters, combiners, balanced mixers, image-rejection mixers, phase shifters, diplexers, switches, and antenna beam-forming networks are all functions of hybrid couplers that are employed in a variety of commercial and military applications.

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

Function

- .High Isolation**
- .High Power**
- .180° Hybrid Coupler**

Electrical Specifications

Model	GHHC180N-0.8-2.5G
Frequency Range (GHz)	0.8 ~ 2.5
Insertion Loss (dB)	≤0.5
Amplitude balance(dB)	≤ ±0.5
Phase balance(Degree)	/
Isolation(dB)	≥18
VSWR	≤1.30 : 1
Power Handling(Watt)	≤250 (Peak Power)
Operating Temperature(°C)	-25 ~ +65
Impedance	50Ω
Port Connectors	N-Female
Surface Color	Silvery White (Options)
Outline Drawing	As Below

