

GW-CPD-8K

8-Way Wilkinson Power
Divider from 6-40 GHz

Applications

- 1-Test and measurement
- 2-Radar applications
- 3-Satellite Communications
- 4-Wireless Communication Systems
- 5- Point-to-Point Radio



General description

GW-CPD-8K is a broadband and low loss 8-way high power Wilkinson power divider that works from 6 GHz to 40 GHz. This female 2.92mm power combiner has 1.5:1 VSWR at each port and average insertion loss 0.9 dB. The GW-CPD-8K is the best candidate to combine multiple signals or split a single signal with equal RF power. The power divider is designed with 20 dB minimum isolation and can handle 20 Watts (CW) input power. GW-CPD-8K package has 2.92mm female and is RoHS compliant.

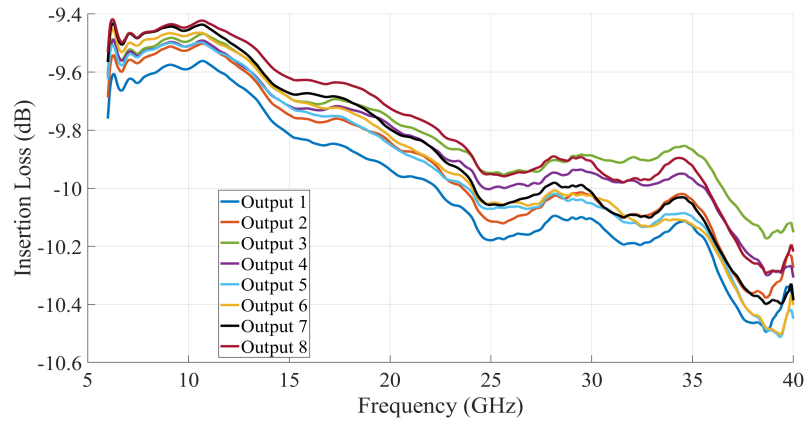
Electrical Specifications

Frequency Range: 6 GHz - 40 GHz
VSWR: 1.5
Amplitude Unbalance: $\leq 0.2\text{dB}$
Phase Unbalance : $\leq 2^\circ$
Insertion Loss: 0.4 to 1.4 dB
Impedance: 50Ω
Isolation: $\geq 20\text{ dB}$

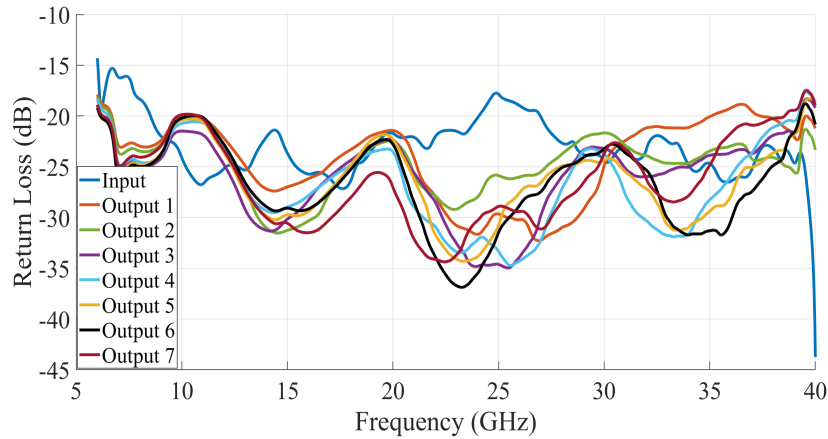
Mechanical Specifications

Material : Aluminium
Finish: Paint
Weight : 138 gram
Dimensions: 104 mm $\times$ 60 mm $\times$ 10 mm
Connector: 2.92 mm Female
Operation Temperature: -40°C to 85°C

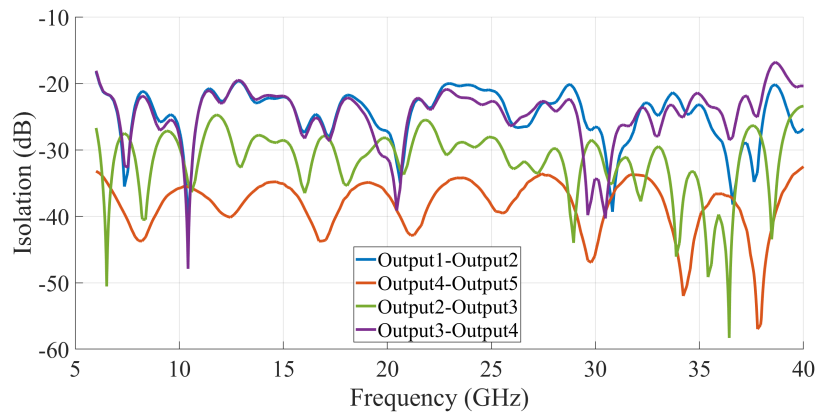
Insertion Loss



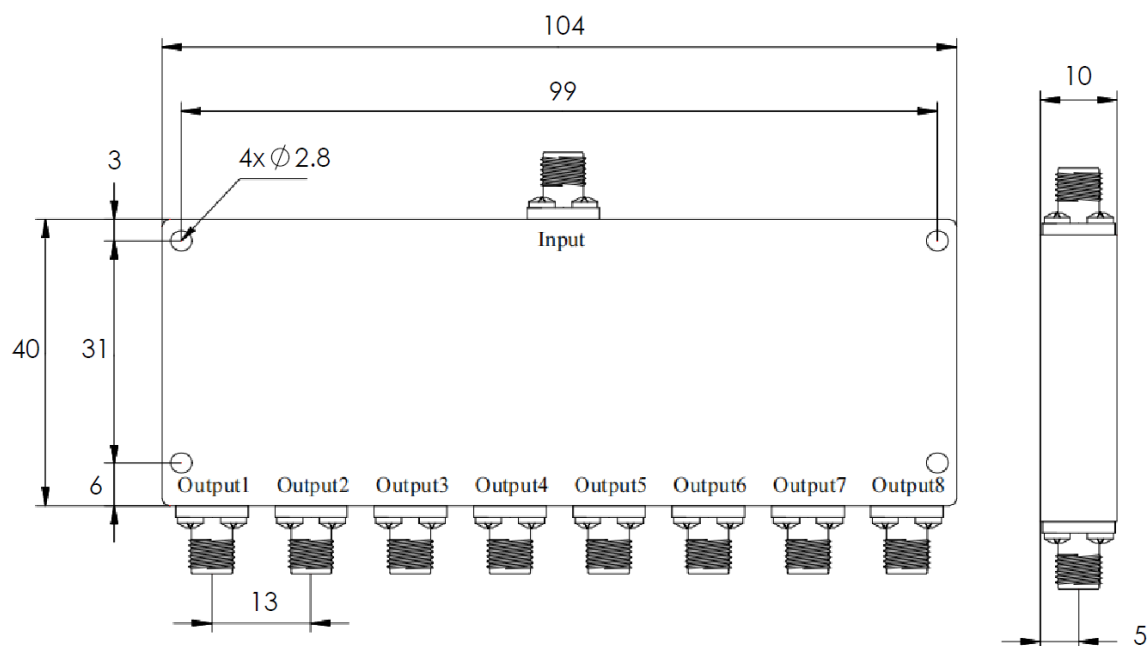
Return Loss



Isolation Factor



Mechanical Outline



*All dimensions are in millimeters