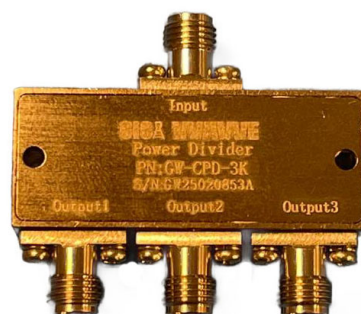


GW-CPD-3K

3-Way Wilkinson Power Divider from 15-40 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-3K is a broadband and low loss 3-way high power Wilkinson power divider that works from 15 GHz to 40 GHz. This female 2.92mm power combiner has maximum 1.8:1 VSWR at each port and maximum insertion loss 2 dB. The GW-CPD-3K is the best candidate to combine multiple signals or split of a single signal with equal RF power. The power divider is designed with 20dB minimum isolation and can handle 20 Watts (CW) input power. GW-CPD-3K package has 2.92mm female and is RoHS compliant.

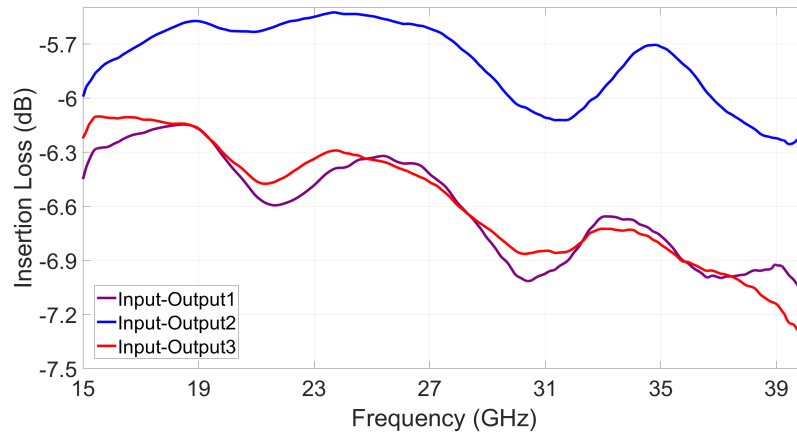
Electrical Specifications

Frequency Range: 15 GHz - 40 GHz
VSWR: 1.8
Amplitude Unbalance: $\leq 0.9\text{dB}$
Insertion Loss: $\leq 2\text{ dB}$
Impedance: 50Ω
Isolation: $\geq 20\text{ dB}$

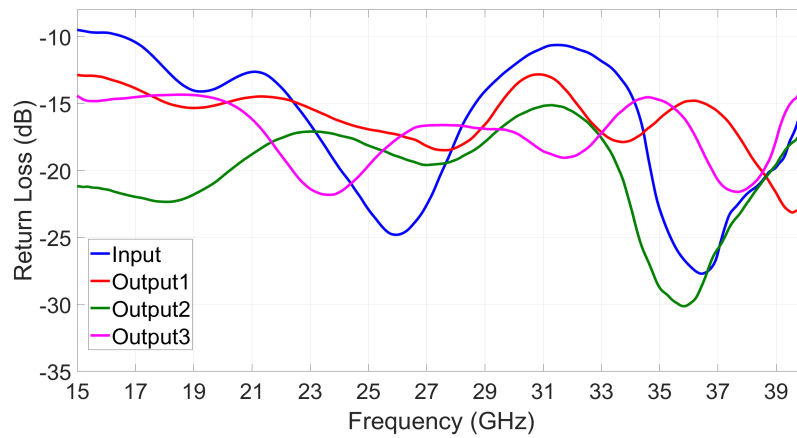
Mechanical Specifications

Material : Aluminium
Shock / Vibration Test: (MIL-STD-810F)
Relative humidity : 90
Weight : gram
Dimensions: 40 mm \times 16.5 mm \times 10 mm
Connector: 2.92 mm Female

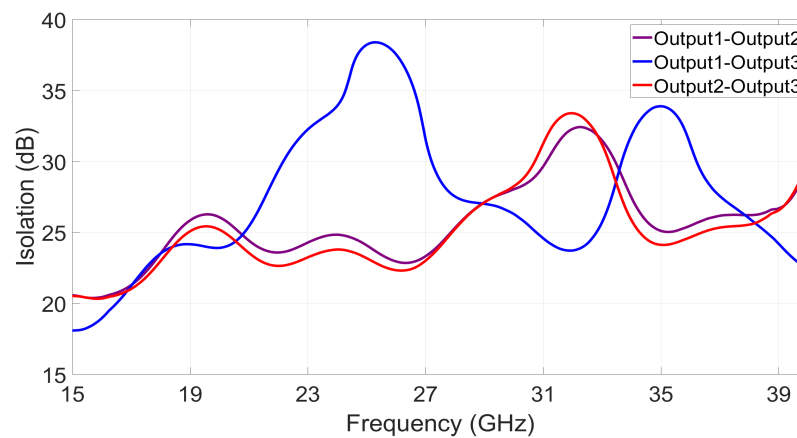
Insertion Loss



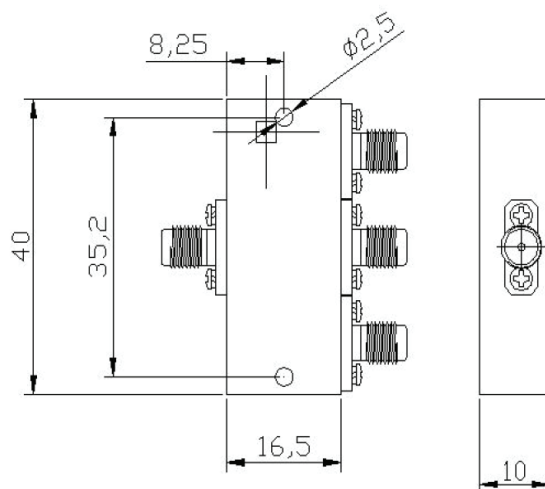
Return Loss



Isolation Factor



Mechanical Outline



*All dimensions are in millimeters