

## GW-CPD-2K

### 2-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-2K is a broadband and low loss 2-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 maximum insertion loss 0.5 dB. The GW-CPD-2K is the best candidate to combine multiple signals or split of a single signal with equal RF power. The power divider is designed with 22 dB minimum isolation and can handle 20 Watts (CW) input power. GW-CPD-2K package has 2.92mm female and is RoHS compliant.



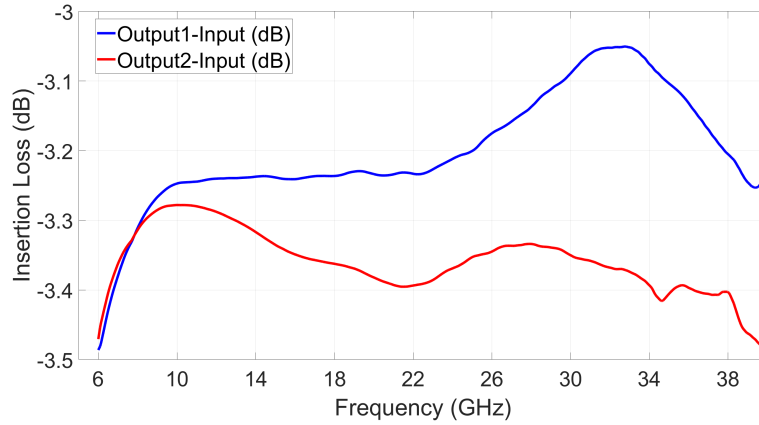
#### Electrical Specifications

Frequency Range: 6 GHz - 40 GHz  
VSWR: 1.5  
Amplitude Unbalance:  $\leq 0.3\text{dB}$   
Phase Unbalance :  $\leq 2^\circ$   
Insertion Loss:  $\leq 0.5\text{ dB}$   
Impedance:  $50\Omega$   
Isolation:  $\geq 22\text{ dB}$

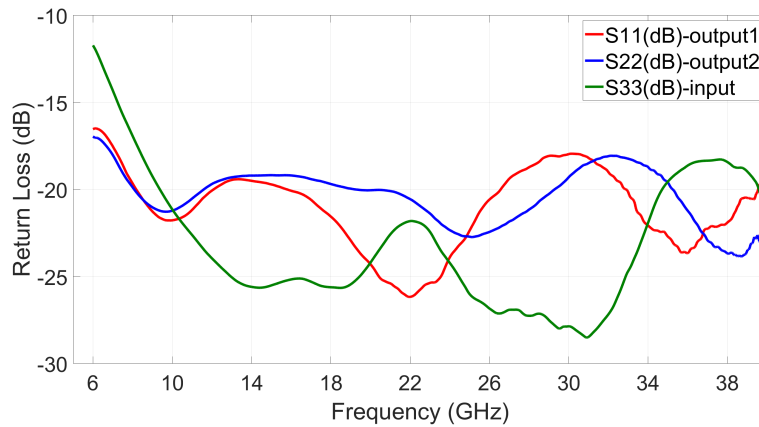
#### Mechanical Specifications

Material : Aluminium  
Finish: Paint  
Weight : 21 gram  
Dimensions: 38 mm  $\times$  26 mm  $\times$  10 mm  
Connector: 2.92 mm Female  
Operation Temperature:  $-40^\circ\text{C}$  to  $85^\circ\text{C}$

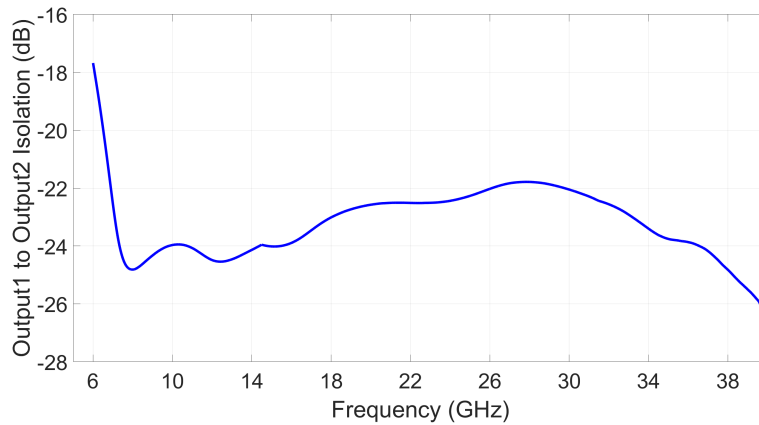
## Insertion Loss



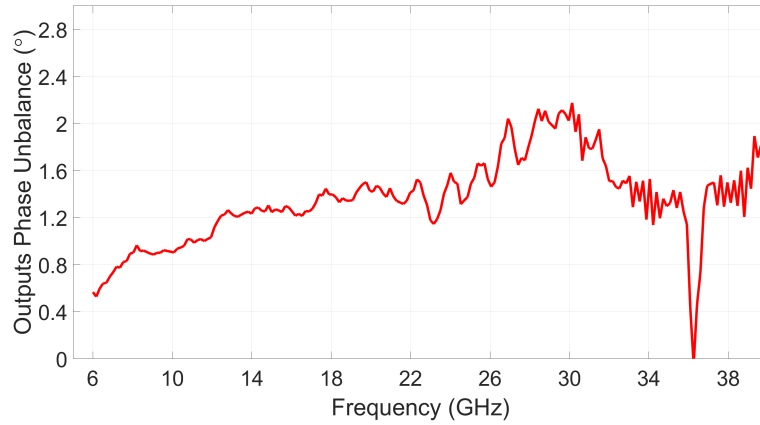
## Return Loss



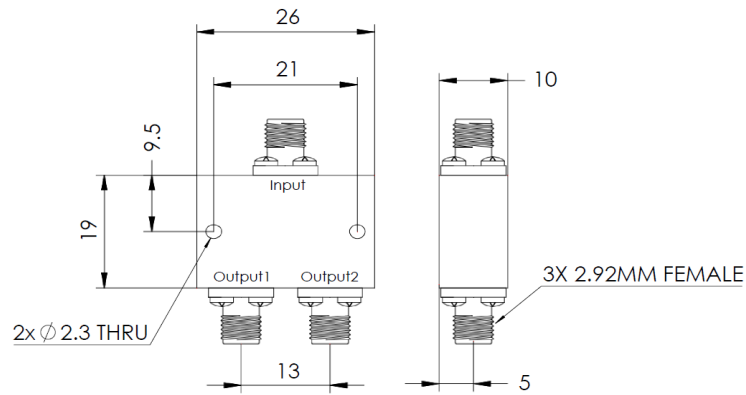
## Isolation Factor



## Phase Unbalance



## Mechanical Outline



\*All dimensions are in millimeters