

## Description

US/PD/8/8.5-RF is 6-Way power divider with a frequency range of 8 to 8.5 GHz. The forward power of this power divider is 2W. The Insertion Loss is 1dB with a typical isolation of 18dB. The working temperature of this product is from 0 to +85°C.

## Features

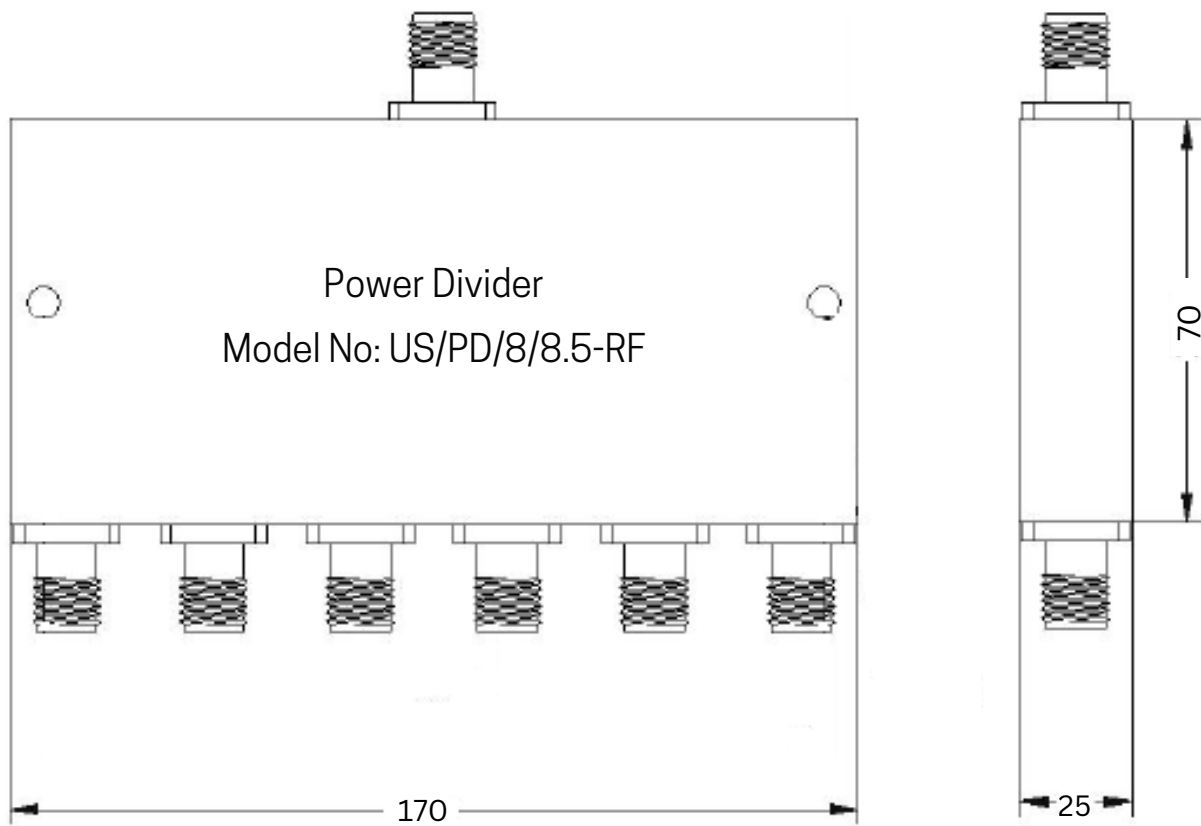
- High power handling up to 2W.
- Wide band operation.
- High isolation within operational band.
- Low Insertion Loss.
- Female Contact is gold plated beryllium brass.
- Finishing is painted to protect from corrosion.
- Also available for different frequency ranges.
- Customization can be made based on the application requirement of the customer.

## Specifications

Electrical Characteristics	
Frequency Range	8000 - 8500 MHz
Type	1:6 Way power divider
Insertion Loss	< 1 dB (Excluding theoretical loss)
Isolation	Better than 18 dB
Input VSWR	Better than 1.4:1
Output VSWR	Better than 1.4:1
Amplitude imbalance	-0.5 dB to +0.5 dB
Phase imbalance	-5° to +5°
Power Handling	2W CW max.
Impedance	50 Ohms

Mechanical Parameters	
Input Connector	SMA Female
Output Connector	SMA Female
Operating Temperature	0 to + 50 °C
Humidity	up to 90% (Non-Condensing)
Dimensions	170 x 70 x 25 mm approx.

## Drawings



## Applications

- Wireless Infrastructure
- Military & Aerospace
- Test Instrumentation
- Radar Systems
- 5G Wireless Communications
- Microwave Radio Systems
- TR Modules
- Research & Development
- Cellular Base Stations

