

8 way Power Divider 2.92 Connectors From 6GHz to 40GHz Rated at 20 Watts

Power Divider

- ◆ 8-Way Power Divider
- ◆ Wilkinson Design
- ◆ Wide Frequency Range
- ◆ Excellent Reliability
- ◆ Customization Available

The HRT-PD(6000/40000)-8K is a 8 way Wilkinson power divider that operates from 6 to 40 GHz and can handle up to 20 Watts . This 2.92 power divider offers 15 dB Isolation and 2.20:1 max VSWR. The package interface uses SMA on all of the ports.



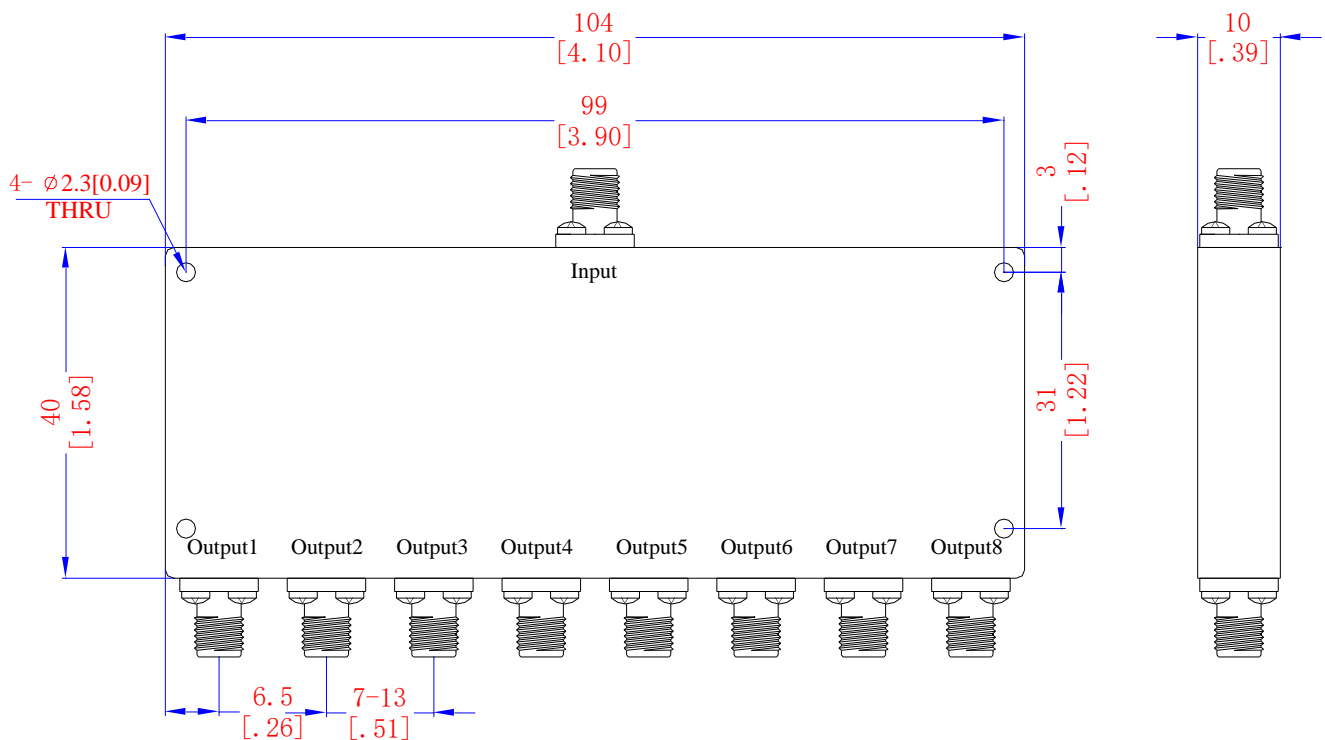
Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		6000-40000
Nominal Splitter	dB	/	9.0
Insertion Loss	dB	Max	3.2
Input VSWR	/	Max	2.20:1
Output VSWR	/	Max	1.60:1
Isolation	/	Min	15
Amp. Unbalance	dB	Max	±0.5
Phase Unbalance	Deg	Max	±6
Power Handling	20 Watts(Forward Power); 1 Watt(Reverse Power)		
Electrical Specification Notes	Values at +25°C.		

8 way Power Divider 2.92 Connectors From 6GHz to 40GHz Rated at 20 Watts

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	2.92-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	2.92-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft.
Weight(Kg)	TBD		(Epoxy Sealed Controlled environment)
Surface Finish	Black Painted	Humidity	95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions		
Note			

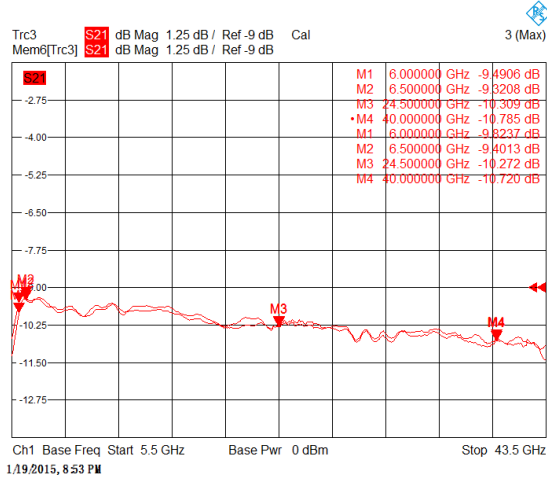
Outline Drawing:

All Dimensions in mm (inches)
Outline Tolerances ±0.3(0.012)

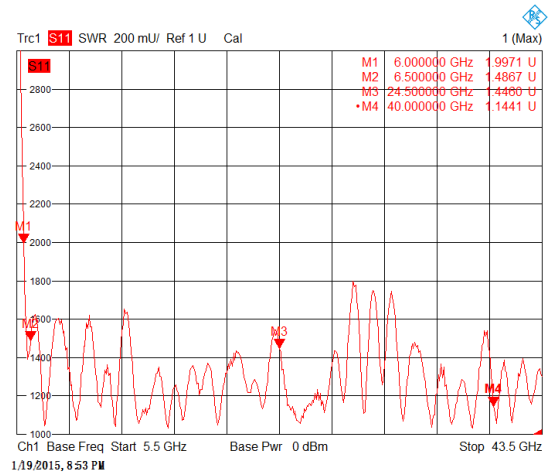


8 way Power Divider 2.92 Connectors From 6GHz to 40GHz Rated at 20 Watts

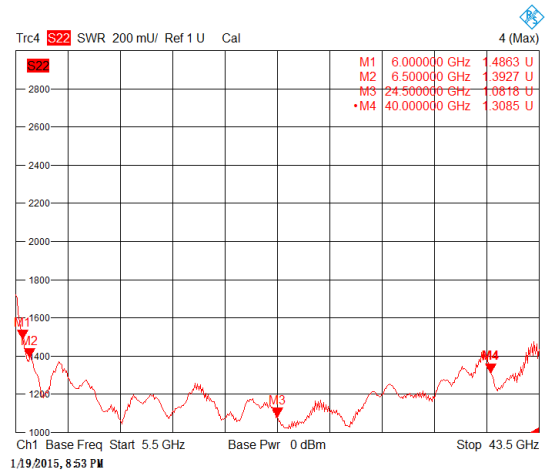
Loss & Amplitude



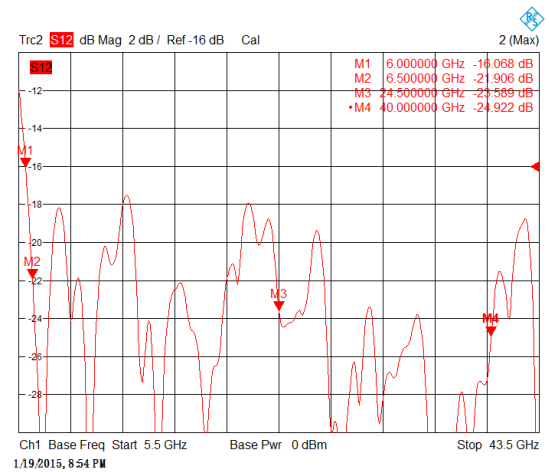
Input VSWR



Output VSWR



Isolation



Phase Unbalance

