

8 way Power Divider SMA Connectors From 1GHz to 18GHz Rated at 30 Watts



Power Divider

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

The HRT-PD(1000/18000)-8S is a 8 way Wilkinson power divider that operates from 1 to 18 GHz and can handle up to 30 Watts . This SMA power divider offers 15 dB Isolation and 1.8:1 max VSWR. The package interface uses SMA on all of the ports.



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		1000-18000
Nominal Splitter	dB	/	9.0
Insertion Loss	dB	Max	4.0
Input VSWR	/	Max	1.80:1
Output VSWR	/	Max	1.50:1
Isolation	/	Min	15
Amp. Unbalance	dB	Max	±0.5
Phase Unbalance	Deg	Max	±10
Power Handling	30 Watts(Forward Power); 1 Watt(Reverse Power)		
Electrical Specification Notes	Values at +25°C.		

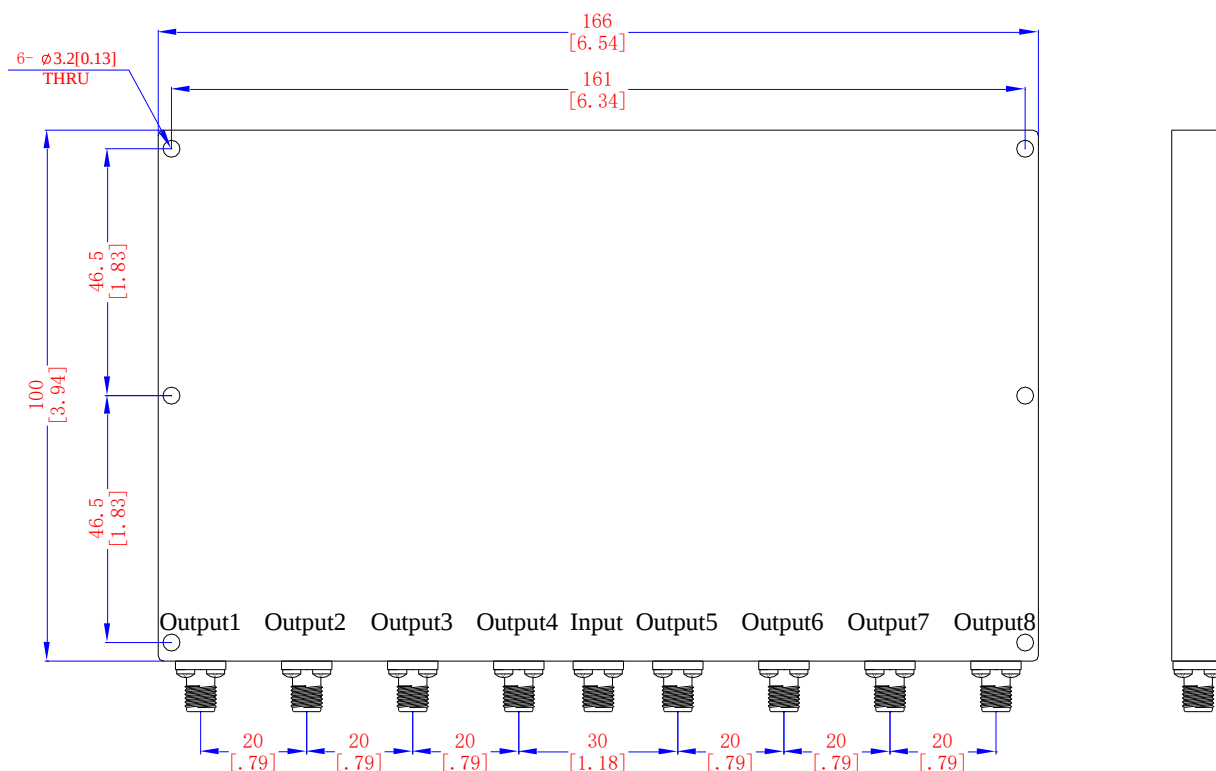
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Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	SMA-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment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

Outline Drawing:

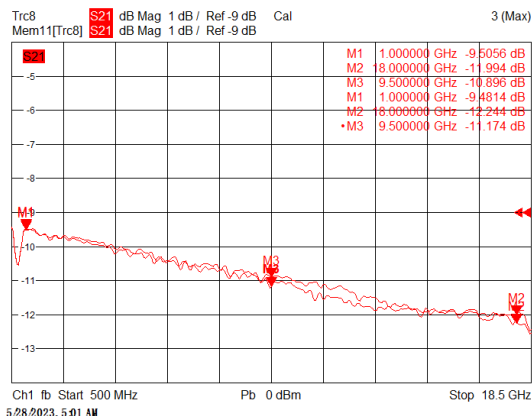
All Dimensions in mm (inches)

Outline Tolerances ± 0.3 (0.012)

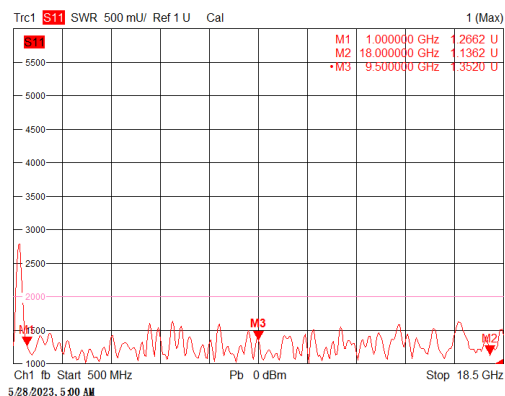


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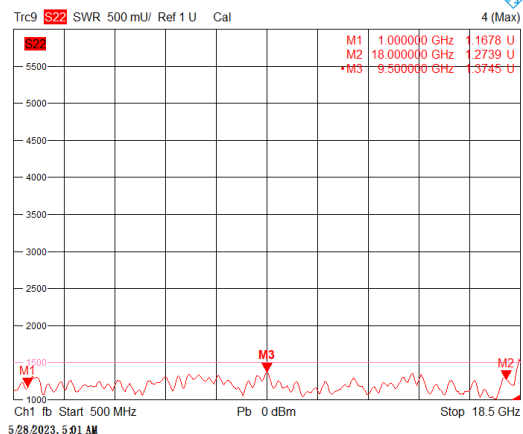
Loss & Amplitude



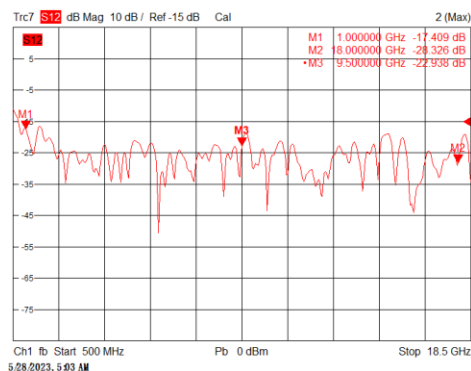
Input VSWR



Output VSWR



Isolation



Phase Unbalance

