



50 ohms 20dB SMA-Female Directional Coupler From 6GHz to 18GHz Rated at 50 Watts



Directional Coupler

- Low Insertion Loss
- Low Coupling Flatness
- High Directivity
- Excellent Reliability
- Customization available

ISO

Rohs

The HRT-DQ(6000/18000)-20S is a 20dB directional coupler that operates from 6 to 18 GHz and can handle up to 50 Watts . This SMA directional coupler offers 14 dB directivity and 1.5:1 max VSWR. The package interface uses SMA on all of the ports.

			COMPLIANT			
Electrical Specifications						
Parameters	Units		Specifications			
Frequency Range	MHz		6000-18000			
Nominal Coupling	dB		20			
Nominal Coupling Loss	dB		0.04			
Coupling Flatness	dB	Max	±1.0			
Directivity	dB	Min	14			
Insertion Loss (Excluding Nominal Coupling Loss)	dB	Max	0.6			
VSWR Primary	/	Max	1.5:1			
VSWR Secondary	/	Max	1.5:1			
Power Handling	50 Watts cw (Forward Power)					

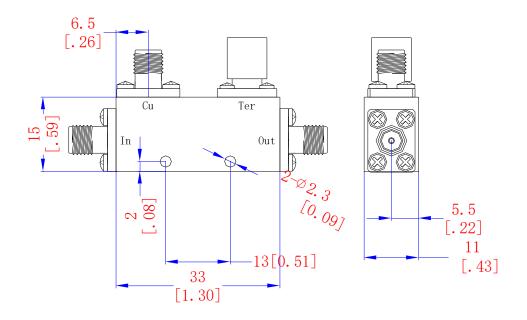


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Mechanical Specifications		Environmental Specification			
Parameter	Specification	Parameter	Specification		
Input and Output Connectors	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C		
Coupling Port Connector	SMA-Female (50Ω)	Storage Temp.	-55℃ to +85℃		
ROHS	Yes	Environment Class	TBD		
Material	Aluminum (6061)		30,000 ft.		
Weight(Kg)	TBD	Altitude	(Epoxy Sealed Controlled environment)		
Suface 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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