

Coaxial Power Divider—4 Way

0.5 - 18GHz

- 0.5 - 18.0GHz
- High power handling capability up to 30W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Stable performance over temperature



Operating frequency range 0.5 – 18.0GHz



30 Watts

High Isolation

RF Parameters			
Frequency Range	0.5-1.0GHz	1.0-8.0GHz	8.0-18.0GHz
Nominal Splitter Loss (dB)	6dB typ.	6dB typ.	6dB typ.
Insertion Loss (dB)	0.6dB typ. 1.0dB max.	2.0dB typ. 2.5dB max.	3.5dB typ. 4.0dB max.
Isolation (dB)	16dB min. 18dB typ.	16dB min. 19dB typ.	16dB min. 17dB typ.
Input VSWR (:1)	1.6:1 typ. 1.8:1 max.	1.55:1 typ. 1.65:1 max.	1.55:1 typ. 1.65:1 max.
Output VSWR (:1)	1.3:1 typ. 1.4:1 max.	1.4:1 typ. 1.5:1 max.	1.4:1 typ. 1.5:1 max.
Amplitude Imbalance (dB)	±0.2dB typ. ±0.3dB max.	±0.3dB typ. ±0.4dB max.	±0.4dB typ. ±0.5dB max.
Phase Imbalance (deg)	±3 typ. ±5 max.	±3 typ. ±6 max.	±6 typ. ±8 max.
Impedance	50 Ohms		
Input / Output Connectors	SMA Female		
Size (excl connectors)	154mm x 72mm x 10mm		
Finish	Grey Paint		
Weight (ounces)	9.8 Max		

Environmental	
Operating Temperature	-45°C to +85°C
Storage Temperature	-55°C to +125°C
Altitude	30,000 feet (Epoxy Sealed Controlled Environment)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95% RH at 40°C
Shock	20g for 11msec half sine wave, 3 axis both directions

Power		
Power Rating	Forward Power	30 W
	Reverse Power	1 W
	Peak Power	300 W

Note 1: The specification provided is at nominal bias voltage and at 25°C unless otherwise specified

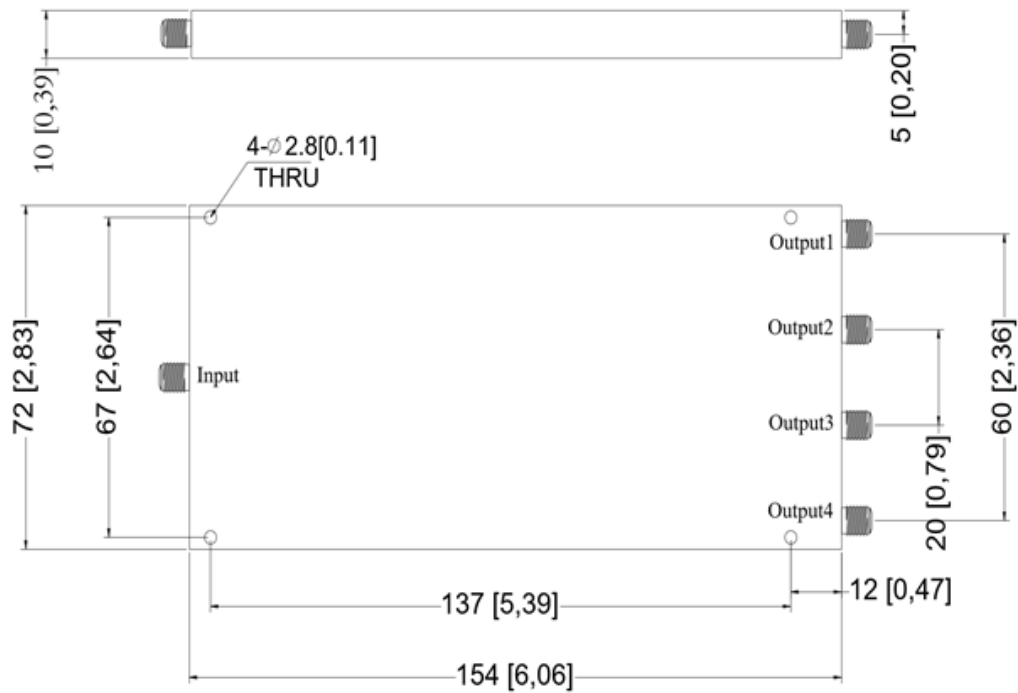
Note 2: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 3: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.



Outline Drawing

All dimensions in inch



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