

Product Features

The P1dB P1PD-SAF-0118G30W-2 SMA 2-Way power divider is designed to operate from 1 to 18 GHz and up to 30 Watts of CW RF power. The 2-Way SMA divider is a Wilkinson design with SMA Female connectors and an aluminum housing. The maximum insertion loss is 1.0 dB per path, plus an additional 3 dB due to power split across 2 ports.



Electrical Specification: $T_{\text{Ambient}} = 25^{\circ}\text{C}$

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance	1 to 18 GHz	Ohms	—	50	—	
Insertion Loss	1 to 18 GHz	dB	—	—	1.0	
Isolation	1 to 1.5 GHz	dB	10	—	—	
	1.5 to 17 GHz		15	—	—	
	17 to 18 GHz		10	—	—	
VSWR	1 to 18 GHz	1:	—	—	1.5	
Average Power	1 to 18 GHz	Watts	—	—	30	Linearly derates to 10% at +100°C

Mechanical Specification

Parameter	Description	Notes
Connector Type	SMA Female	
Connector Material and Plating	Nickel Plated Brass	
Contact Material and Plating	Gold Plated Beryllium Copper	
Housing	Aluminum	

Drawing

