

## Product Features

The P1dB P1AT-18MF-65G1W-dB attenuator series is designed to operate to 65 GHz and to 1 Watt of CW power. The 1.85mm attenuators are available in 3dB, 6dB, 10dB, 20dB and 30dB attenuation values. The precision machined stainless steel body and connector interfaces ensure the highest performance and durability.



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

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance	DC to 65 GHz	Ohms	—	50	—	
VSWR	DC to 26.5 GHz	1:	—	—	1.35	
	26.5 GHz to 40 GHz				1.55	
	40 GHz to 65 GHz				1.65	
Attenuation Accuracy 3, 6, 10 dB 20 dB 30 dB 3, 6 dB 10, 20 dB 30 dB 3, 6, 10 dB 20, 30 dB 3, 6 dB 10 dB 20 dB 30 dB	DC to 26.5 GHz	$\pm$ dB	—	—	0.75	
					1.0	
					1.25	
	26.5 GHz to 40 GHz				1.0	
					1.25	
					1.5	
	40 to 60 GHz				1.5	
					2.0	
	60 to 65 GHz				1.5	
					1.75	
					2.5	
					5	
Average Power	DC to 65 GHz	Watts	—	—	1	Linearly derates to 10% at +100°C

## Mechanical Specification

Parameter	Description	Notes
Connector 1 Type	1.85mm Male	
Connector 2 Type	1.85mm Female	
Connector Material and Plating	Passivated Stainless Steel	
Contact Material and Plating	Gold Plated Beryllium Copper	
Body Material and Plating	Passivated Stainless Steel	
Operating Temperature	-55° to 100° C	

## Drawing

