

## 4-Way Power Divider - 0°

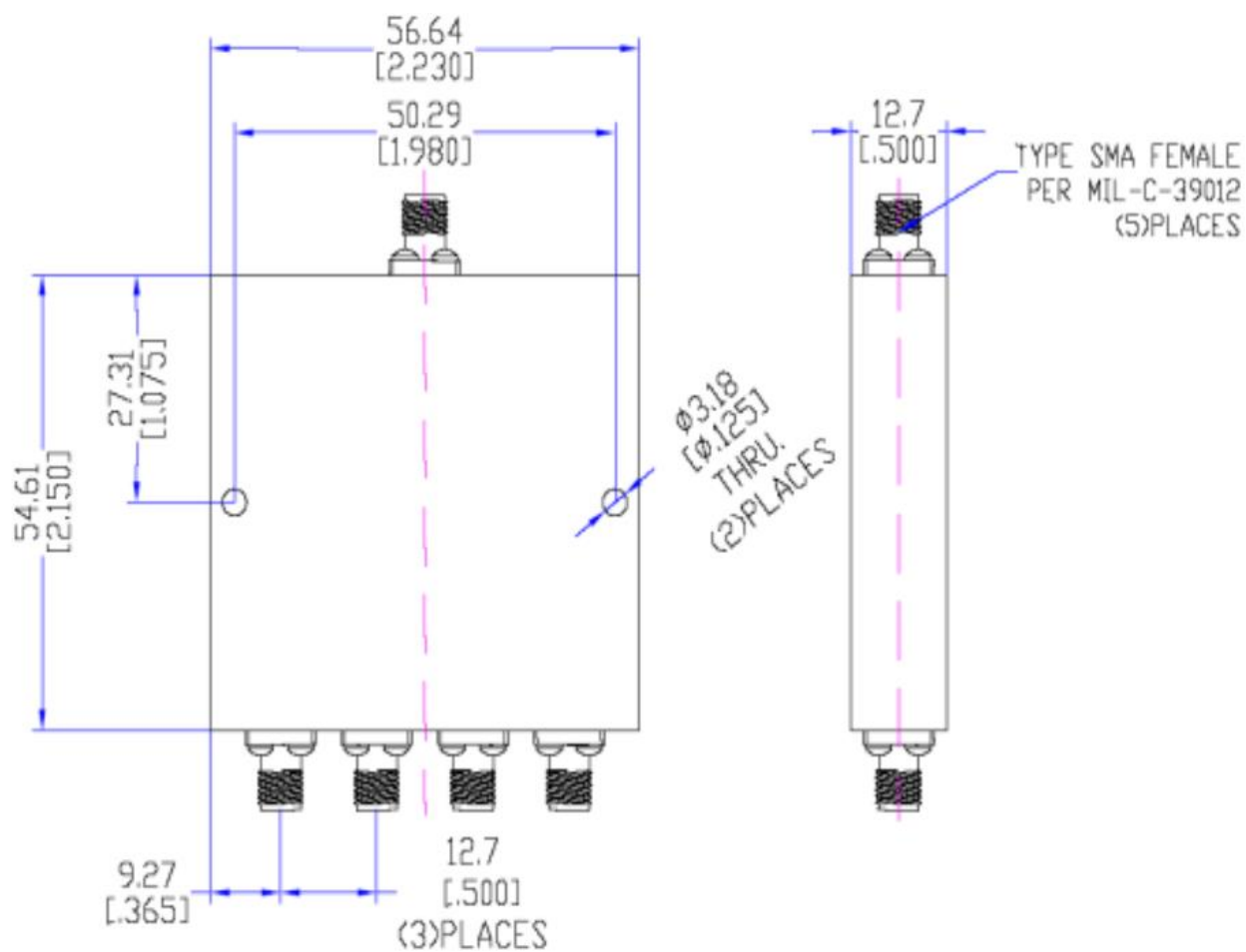
Model PD20180B4S

### Specifications.

<b>Frequency Range</b>	2~18GHz	<b>Finish</b>	Black paint
<b>Insertion Loss</b>	≤1.8dB (Above 6.0dB Split)	<b>Connector Body</b>	Passivated Stainless Steel
<b>VSWR</b>	Input ≤1.70:1 Output ≤1.70:1	<b>Housing</b>	Aluminum, 6061 T6 Clear Chem Conversion Film
<b>Isolation</b>	≥18dB	<b>Connector Pin</b>	Stainless Steel SMA-Female
<b>Amplitude Balance</b>	≤±0.25dB	<b>Solder</b>	Lead Free, RoHS Compliant
<b>Phase Balance</b>	≤±6°	<b>Operating Temperature</b>	-40°C~+85°C
<b><sup>1</sup>Power Handling</b>	Forward ≤20Watt; Reversed ≤1.0Watt	<b>Operating Humidity</b>	Up to 95%,Non- Condensing
<b>Impedance</b>	50Ω	<b>Weight</b>	100g
<b>Port Connectors</b>	SMA-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.70:1.

### Mechanical Outline.



Note: Dimensions (mm / [inch]), General tolerance (±0.5 / [±0.02])

### Product inspection records

Product Name	4-Way Power Divider	Model	PD20180B4S	Quality	1	Production no.	15S10121
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#### Test Data

Data Item	Room Temperature						
	IL(dB)	VSWR	ISO(dB)	Amplitude Balance(dB)	Phase Balance		
SN no.	≤1.8	≤1.70	≥17	≤0.5	≤12°		
151110170	1.55	1.52	19.9	0.28	2.26		
-40°C							
151110170	1.52	1.50	19.3	0.30	2.33		
+85°C							
151110170	1.59	1.53	19.0	0.31	2.30		
Product Name	2-Way Power Divider	Model	PD20180B2S	Quality	2	Production no.	15S10121

#### Test Data

Data Item	Room Temperature					
	IL(dB)	VSWR	ISO(dB)	Amplitude Balance(dB)	Phase Balance	
SN no.	≤1.0	≤1.40	≥16	≤0.4	≤5°	
151110168	0.75	1.33	18.3	0.20	2.28	
151110169	0.69	1.30	18.4	0.23	2.25	
-40°C						
151110168	0.73	1.31	18.0	0.22	2.30	
151110169	0.72	1.32	18.3	0.20	2.34	
+85°C						
151110168	0.78	1.35	17.9	0.25	2.31	
151110169	0.73	1.32	18.0	0.25	2.30	