

Product: Resistance power divider



Part Number: LPD-DC/18-8S

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	DC	-	18	GHz
2	Insertion Loss	-	-	19.5	dB
3	Phase Balance:	-	-		dB
4	Amplitude Balance	-	-	≤±1.5dB	dB
5	VSWR	-	-	1.8	-
6	Power			1	W cw
7	Operating Temperature Range	-40	-	+85	°C
8	Impedance	-	50	-	Ω
9	Connector	SMA-F			
10	Preferred finish	Yellow conductive oxidation/Green/Blue/Sliver			

**Remarks:**

1. Include Theoretical loss 18db 2.Power rating is for load vswr better than 1.20:1

Environmental Specifications	
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
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
Mechanical Specifications	
Housing	Aluminum
Connector	ternary alloy three-part alloy
Female Contact:	gold plated beryllium bronze
Rohs	compliant
Weight	0.2kg

**Outline Drawing:**

All Dimensions in mm

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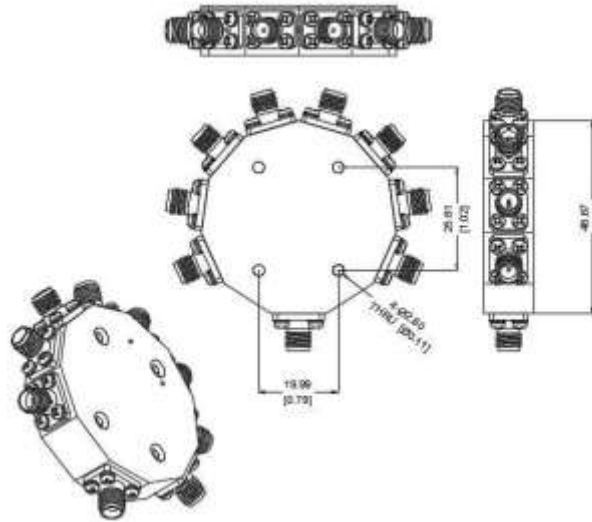
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Outline Tolerances  $\pm 0.5(0.02)$

Mounting Holes Tolerances  $\pm 0.2(0.008)$

All Connectors: SMA-Female



## Test Plots

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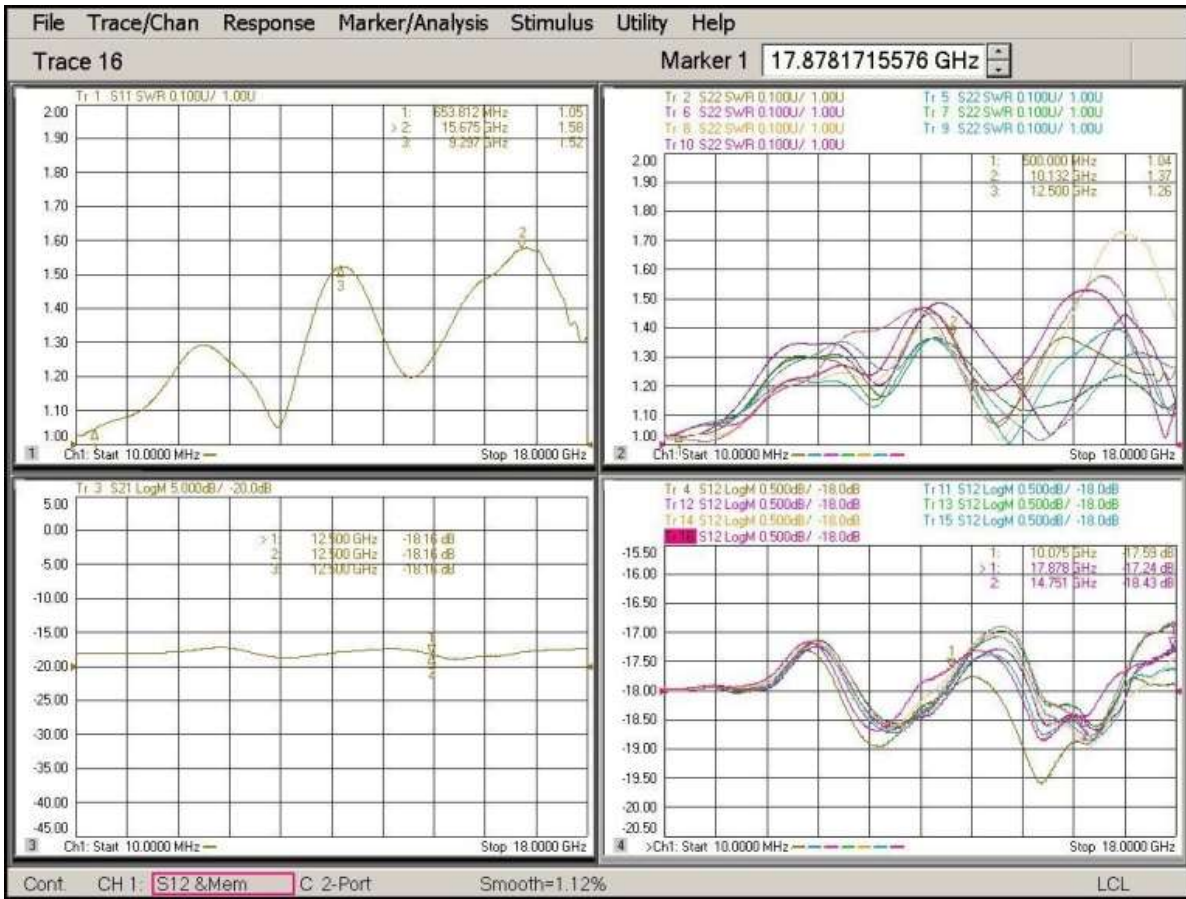
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