

Product: Resistance power divider



Part Number: LPD-DC/40-4S

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	DC	-	40	GHz
2	Insertion Loss	≤14.8 dB(DC-26.5GHz)-	-	≤16.8 dB(26.5-40GHz)	dB
3	Phase Balance:	-	-		dB
4	Amplitude Balance	-	-	±1	dB
5	VSWR	≤1.8 : 1 (DC-26.5GHz)	-	≤2.0 : 1 (DC-40GHz)-	-
6	Power			1	W cw
7	Operating Temperature Range	-40	-	+85	°C
8	Impedance	-	50	-	Ω
9	Connecter	2.92-F			
10	Preferred finish	Yellow conductive oxidation			

Remarks:

1. Include Theoretical loss 12db
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	Tri-metal plated brass or Gold plated brass
Female Contact:	gold plated beryllium bronze
Rohs	compliant
Weight	0.2kg

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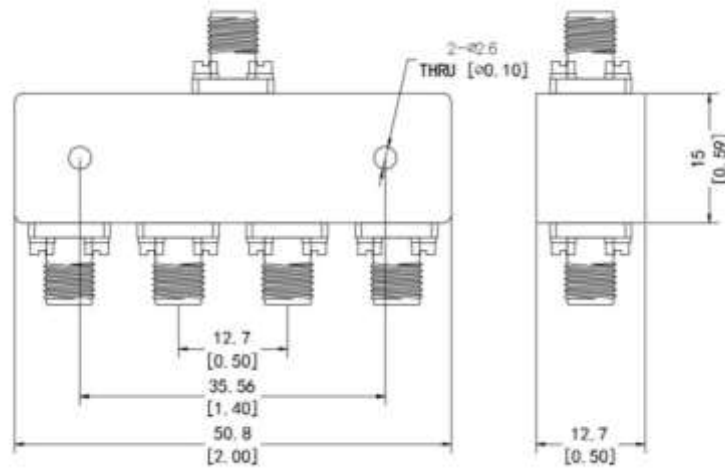
Outline Drawing:

All Dimensions in mm

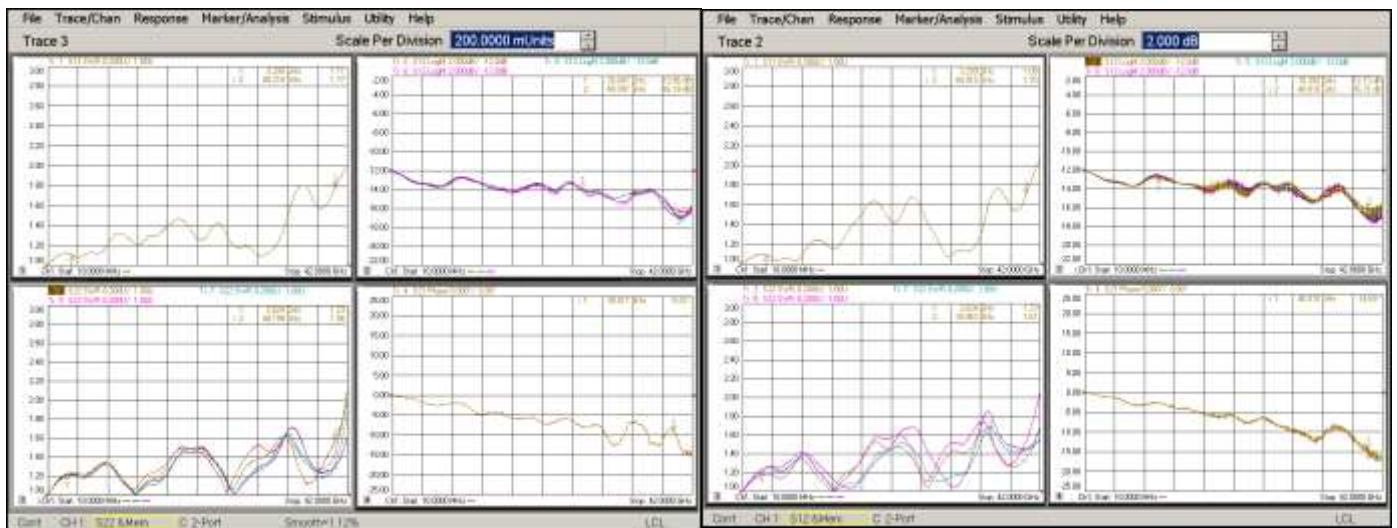
Outline Tolerances $\pm 0.5(0.02)$

Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: 2.92-Female



Test plots



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