

Product: 30dB directional Coupler



Part Number: LDC-0.5/6-30S

Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	0.5	-	6	GHz
2	Nominal Coupling		30		dB
4	Insertion Loss			0.6	db
5	Coupling Accuracy	-	-	± 1.0	dB
6	Coupling Sensitivity to Frequency			± 0.8	dB
7	Directivity	20			dB
8	VSWR	-	-	1.3	-
9	Power			50	W cw
10	Operating Temperature Range	-40	-	+85	°C
11	Impedance	-	50	-	Ω
12	Connector	SMA-F			
13	Preferred finish	Black/Sliver/yellow/green			

Remarks:

1. Include Theoretical loss 0.004db
2. Power rating is for load vswr better than 1.20:1

Environmental Specifications	
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+95°C
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 brass
Rohs	compliant
Weight	0.15kg

Outline Drawing:

All Dimensions in mm

Outline Tolerances ± 0.5(0.02)

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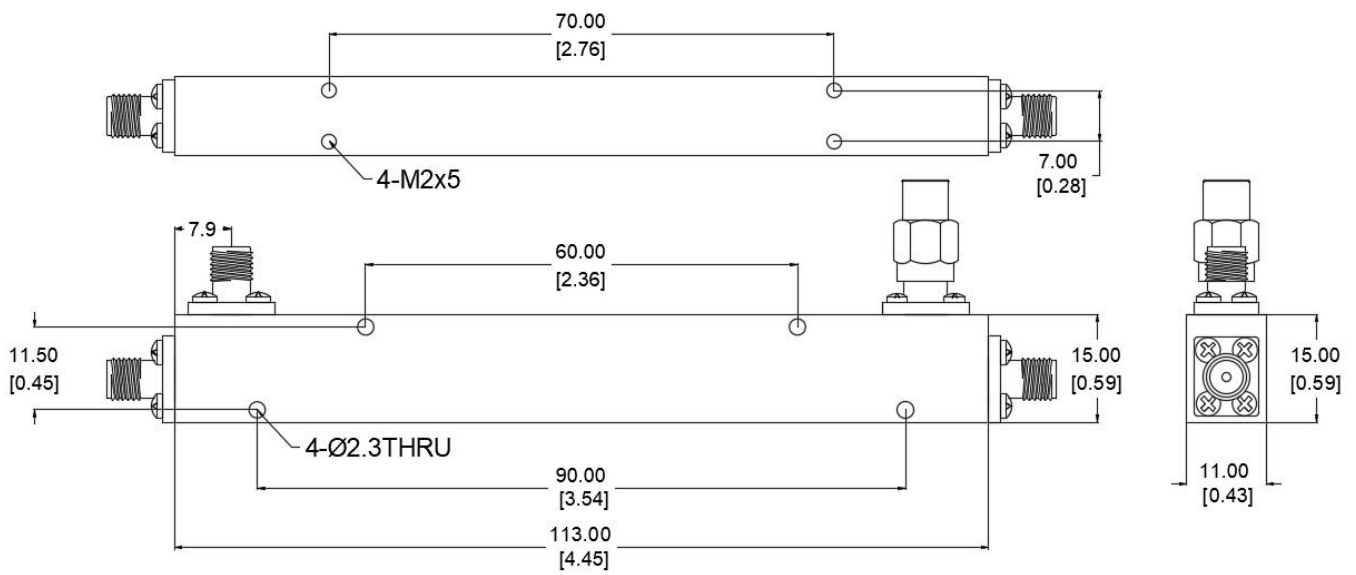
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Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: SMA-Female



TEST DATA

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