

LT-DC Series 9dB Directional Coupler 20W Power Handling 0.45-18 GHz Frequency Range

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-DC9-004180S
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T,D/A,D/P



Product Specification

- Highlight: 9dB Directional Coupler,
0.45-18 GHz Directional Coupler,
20W Directional Coupler

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Product Description

LT-DC Series 9dB Directional Coupler

20W Power Handling | 0.45-18 GHz Frequency Range

Product Overview

The LT-DC9-004180S is a high-performance 9dB directional coupler operating from 0.45 to 18 GHz with 20 Watt (CW) power handling capacity. Featuring SMA Female connectors, this coupler offers excellent directivity and low VSWR for reliable RF signal sampling applications.

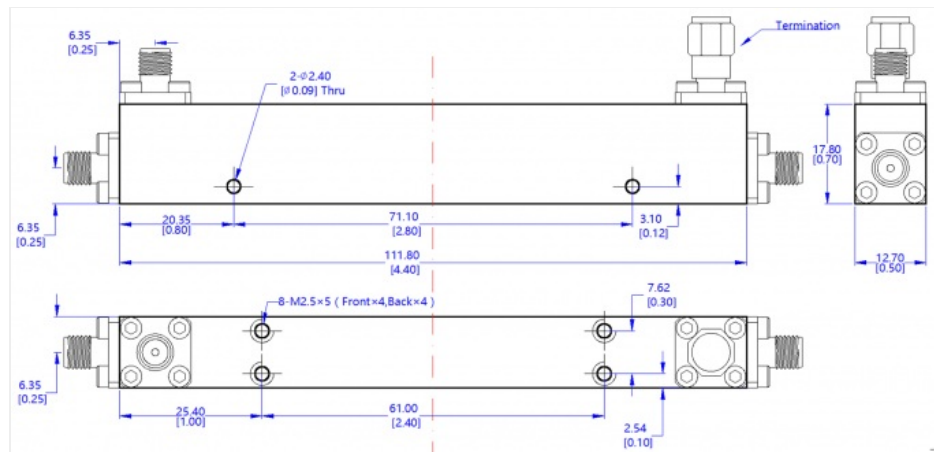
Key Features

- 9dB coupling with ±0.8 dB tolerance
- Broad frequency range: 0.45 to 18 GHz
- High directivity: >15 dB minimum
- Low VSWR: <1.4:1
- Robust power handling: 20 Watts (CW)
- SMA Female connectors
- CE, RoHS, REACH compliant
- 1-year warranty


Technical Specifications

Parameter	Specification	Conditions
Part Number	LT-DC9-004180S	
Frequency Range	0.45 to 18 GHz	
Coupling	9±0.8 dB	
Impedance	50 Ohms	
Main Line VSWR	1.4:1 Max.	
Coupling VSWR	1.4:1 Max.	
Insertion Loss	1.9 dB Max.	
Frequency Balance	1.6 dB Max.	
Directivity	15 dB Min.	
Input Power	20 W	
Connectors	SMA Female	
Weight	90 g	
Dimensions	111.8×12.7×17.8 mm	

Mechanical Outline



Note: Custom specifications available upon request. Please contact our technical team for specialized requirements.

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