



LT-DC Series 20dB Directional Coupler 20 Watts for High Frequency Applications in 29.5-30.5 GHz Range

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-DC20-295305K
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T,D/A,D/P



Product Specification

- Highlight: **High Frequency Directional Coupler, 20 Watts Directional Coupler, 20dB Directional Coupler**

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Product Overview

The LT-DC20-295305K is a high-performance 20dB directional coupler designed for precise signal sampling in the 29.5 to 30.5 GHz frequency range. This robust component features excellent directivity and low VSWR, making it ideal for demanding RF applications.

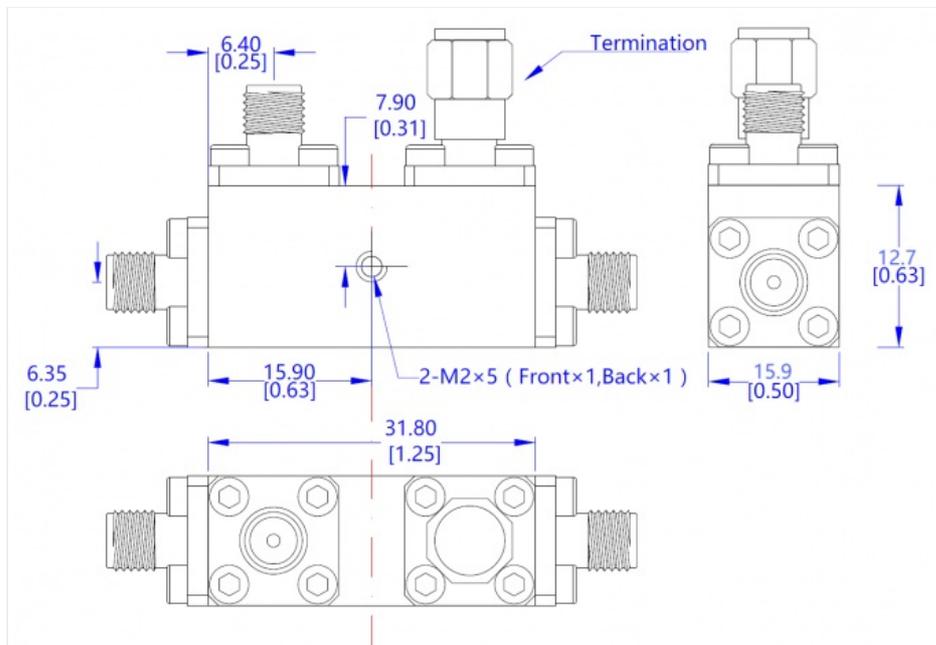
Key Features

- 20dB coupling with ± 0.5 dB accuracy
- Frequency range: 29.5 to 30.5 GHz
- Directivity > 15 dB
- VSWR < 1.5:1
- Maximum power handling: 20 Watts (CW)
- 2.92MM female connectors
- CE, RoHS, and REACH compliant
- 1-year manufacturer warranty

Technical Specifications

Parameter	Specification	Conditions
Part Number	LT-DC20-295305K	
Frequency Range	29.5 to 30.5 GHz	
Coupling	20 \pm 0.5 dB	
Impedance	50 Ohms	
Main Line VSWR	1.5:1 Max.	
Coupling VSWR	1.5:1 Max.	
Insertion Loss	0.9 dB Max.	
Frequency Balance	0.6 dB Max.	
Directivity	15 dB Min.	
Input Power	20 W	
Connectors	2.92MM Female	
Weight	45 g	
Dimensions	31.8 \times 15.9 \times 12.7 mm	

Mechanical Drawing



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

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