



Frequency 1 to 20 GHz 20 Watts LT-DC Series 10dB Directional Coupler for RF Systems

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-DC10-010200S
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T,D/A,D/P



Product Specification

- Highlight: **20 Watts Directional Coupler,
10dB Directional Coupler,
RF Systems Directional Coupler**

for more products please visit us on zrhitech.com

Frequency 1 to 20 GHz 20 Watts LT-DC Series 10dB Directional Coupler for RF Systems

Product Overview

The LT-DC10-010200S is a high-performance 10dB directional coupler designed for RF systems, offering excellent directivity and low VSWR across a broad frequency range from 1 to 20 GHz.

Key Features

- 10dB directional coupling with ± 0.5 dB accuracy
- Exceptional directivity >15 dB
- Broadband operation from 1 to 20 GHz
- Low VSWR $<1.4:1$
- Handles up to 20 Watts (CW)
- SMA female connectors for reliable connections
- Compliant with CE, RoHS, and REACH standards
- Backed by 1-year warranty

Technical Specifications

Parameter	Specification	Conditions
Part Number	LT-DC10-010200S	
Frequency Range	1 to 20 GHz	
Coupling	10 \pm 0.5 dB	
Impedance	50 Ohms	
Main Line VSWR	1.4:1 Max.	
Coupling VSWR	1.5:1 Max.	
Insertion Loss	1.4 dB Max.	
Frequency Balance	1.0 dB Max.	
Directivity	15 dB Min.	
Input Power	20 W	
Connectors	SMA Female	
Weight	80 g	
Dimensions	88.9 \times 17.8 \times 12.7 mm	

Mechanical Outline

