

New Product Announcement!

High Power Directional Coupler

ZGDC20-33HP+

50Ω 20dB 300 to 3000 MHz



CASE STYLE: HT1412

The Big Deal

- High Power Handling: 250W
- Low Insertion Loss: 0.08 dB*
- Rugged IP67 Weatherproof case

Pricing: \$189.95 (QTY 1-9)

Product Overview

The Mini-Circuits ZGDC20-33HP+ broadband high power directional coupler offers excellent performance across a wide range of popular frequency bands. Built using low loss suspended substrate construction, the ZGDC20-33HP+ can pass up to 3A of DC current from input to output and handle up to 250W CW. The rugged sealed construction makes this coupler ideal for use in field applications or remote monitoring sites; however, it is also ideal for high power lab testing.

Key Features

Feature	Advantages
Excellent Insertion Loss , 0.08 dB Typ*	With extremely low insertion loss, this coupler is ideal for critical high power applications.
Ultra High Return Loss, 30 dB Typ	Outstanding Return loss makes this coupler ideal for sensitive power measurement and other signal distribution applications.
High Power Handling, 250W	Up to 250W CW power handling, combined with low insertion loss and excellent VSWR support operation in high power applications such as transmitters, base stations and high power device characterization.
Wide bandwidth	Covering 300-3000 MHz, the ZGDC20-33HP+ covers the most popular Cellular, PCS, DCS, WiMAX, and LTE bands.
Excellent Directivity and Coupling Flatness	Typical 26 dB directivity and ±0.2 dB of Coupling flatness over the band of 700MHz to 3 GHz, this coupler provides accurate signal sampling of forward or reflected power.
Passes DC Current, 3A	Capable of passing 3A current, input to output; this coupler is suited for application using remote antenna control or other remote motorized requirements.
IP67 Weatherproof Case	With an Ingress Protection rating of IP67, the ZGDC20-33HP+ is designed to operate in harsh outdoor applications.

*Does not include coupling loss



ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.