



# DAS Products

DATA SHEET

Ultra-Broadband 200 W Low PIM Load

LDO-60-200-gx



- CCI's high power low PIM load support 200W across a wideband from 600 to 6000 MHz
- Excellent return loss performance
- Available with 7-16 DIN, 4.3-10 and N-type Male or Female Connectors
- High reliability design
- Designed for ultra low PIM performance
- RoHS compliant

## Overview

CCI's high power low PIM load covers a broad frequency range from 600 to 6000 MHz, while delivering high power performance of up to 200 Watts. This load has excellent return loss performance. The unit is ideal for optimizing RF power distribution, which is often required for distributed antenna systems (DAS).

The extremely wide frequency range allows use with multiband and broadband antennas as well as leaky cable systems. The high power handling makes this load well-suited for use with wireless base stations. The load has been designed and constructed with minimal solder joints which assures the correct dissipative loss and enhances the overall reliability.

The attenuator can be configured with Male or Female, DIN 7-16, 4.3-10 or N-type connectors.

CCI filter and combiner products are designed and produced to ISO 9001 certification standards for reliability and quality at our state-of-the-art engineering and manufacturing facilities.



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## SPECIFICATIONS

### Ultra-Broadband 200 W Low PIM Load

LDO-60-200-gx

#### Electrical Specification

RF Parameter	
Frequency Range	600 - 6000 MHz
Return Loss	≥ 19 dB @ 600 - 3800 MHz
Return Loss	≥ 17 dB @ 3800 - 6000 MHz

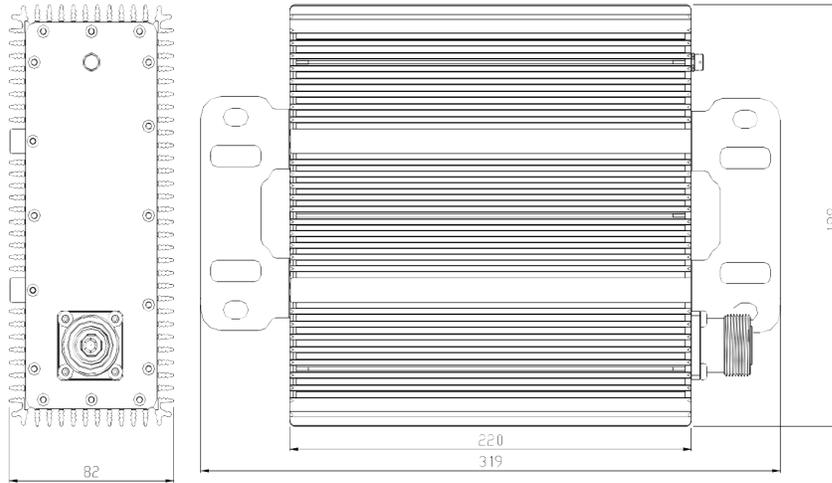
General Characteristics	
Continuous Average Power	200 W
Impedance	50 ohms
Intermodulation Performance	N-type, <-155 dBc min; (2 × +43 dBm tones)
Intermodulation Performance	4.3-10, <-160 dBc min; (2 × +43 dBm tones)
Intermodulation Performance	7-16, <-160 dBc min; (2 × +43 dBm tones)

#### Environmental Specification

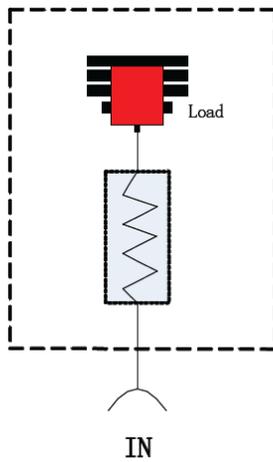
Operating Temperature	-20 °C to +65 °C
Ingress Protection	IP67 (Indoor or Outdoor)

#### Mechanical Specification

Model	LDO-60-100-Fx or LDO-60-100-Mx
Connectors	7-16 or 4.3-10 or N-type × 1 (Male or Female)
Body Dimensions	198 x 220 x 82 mm (7.8 x 8.7 x 3.2 in.)
Dimensions w/Bracket & Connector	198 x 319 x 104 mm (7.8 x 12.6 x 4.1 in.)
Weight	5.5 Kg (12.1 lbs)



Ultra-broadband High Power Load with Female 7-16 Connector Outline Drawing bracket not shown



High Power Low PIM Load Block Diagram



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## STANDARDS & CERTIFICATIONS

### Ultra-Broadband 200 W Low PIM Load

LDO-60-200-gx

#### Parts & Accessories

<b>LDO-60-200-M1</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with 7-16 Male Connector
<b>LDO-60-200-F1</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with 7-16 Female Connector
<b>LDO-60-200-M2</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with 4.3-10 Male Connector
<b>LDO-60-200-F2</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with 4.3-10 Female Connector
<b>LDO-60-200-M3</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with N-type Male Connector
<b>LDO-60-200-F3</b>	Ultra-broadband High Power, Low PIM 200 Watt Load with N-type Female Connector

#### Standards & Compliance

<b>Safety</b>	EN 60950-1, UL 60950-1
<b>Emission</b>	EN 55022
<b>Immunity</b>	EN 55024
<b>Environmental</b>	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-5, IEC 60068-2-6, IEC-60068-2-11, IEC 60068-2-14, IEC 60068-2-18, IEC 60068-2-27, IEC 60068-2-29, IEC 60068-02-30, IEC 60068-2-52, IEC 60068-2-64, GR-63-CORE 4.3.1, EN 60529 IP20

#### Certifications

Federal Communication Commission (FCC) Part 15 Class B, CE, CSA US, ISO 9001

