



- CCI's high power low PIM load support 100W across a wideband from 694 to 2700 MHz
- Excellent return loss performance
- Available with 7-16 DIN, and 4.3-10 Connectors
- Modular, high reliability design
- Designed for ultra low PIM performance
- RoHS compliant
- Optional 19 inch rack mount kit
- Available heat shield for laboratory applications and conditions

Overview

CCI's high power low PIM load covers a broad frequency range from 694 to 2700 MHz, while delivering high power performance of up to 100 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 attenuators can be wall mounted with the included bracket or rackmount in a single or twin configuration with the optional rack mount kit. The RF ports can be configured with either DIN 7-16 or 4.3-10 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.



DAS Products

SPECIFICATIONS

High Power Low PIM Load

LDI-77-100-xx

Electrical Specification

RF Parameter	
Frequency Range	694 - 2700 MHz
Return Loss	≤ -18 dB typ

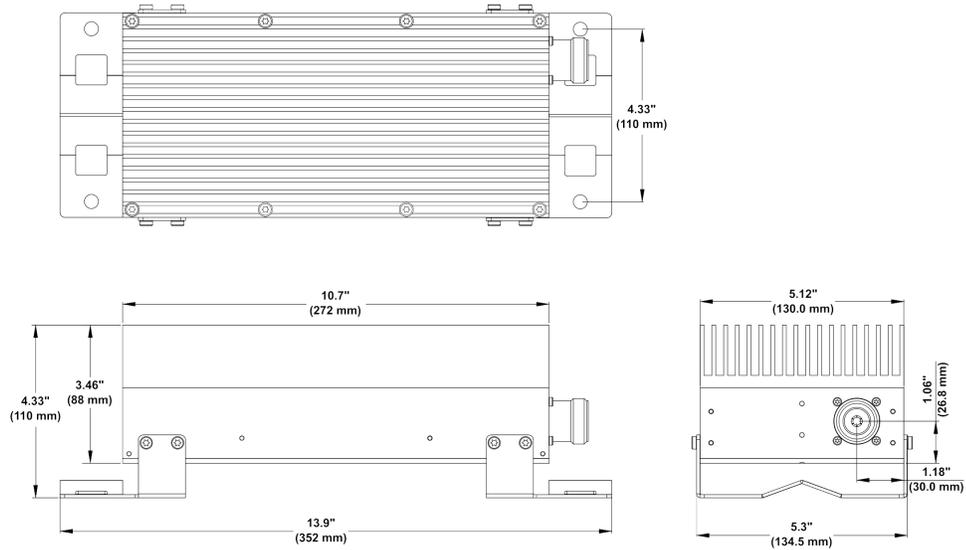
General Characteristics	
Continuous Average Power	100 W
Peak Envelope Power	3 kW maximum
Impedance	50 ohms
Intermodulation Performance	<-117 dBm (-160 dBc) min; (2 × +43 dBm tones)

Environmental Specification

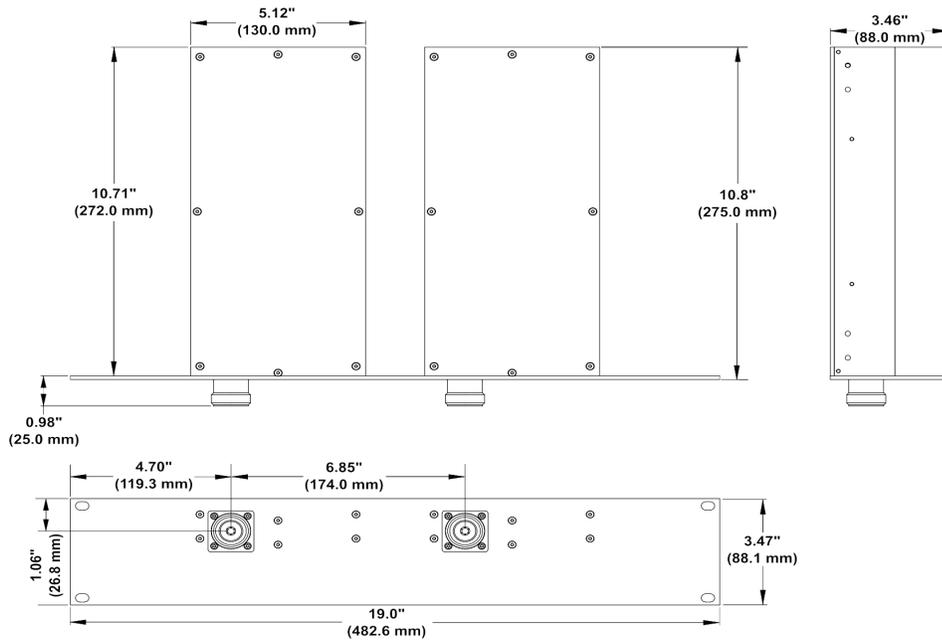
Operating Temperature	-10 °C to +65 °C
Enclosure	IP20 Indoor rated
MTBF	>500,000 hours
Lightning Protection	8/20us, ±20KA max, 10 strikes each, IEC61000-4-5

Mechanical Specification

Model	LDI-77-100-F1	LDI-77-100-F2
Connectors	DIN 7-16 Female × 2	4.3-10 Female × 2
Enclosure Dimensions	272 x 130 x 88 mm (10.7 x 5.12 x 3.46 in.)	272 x 130 x 88 mm (10.7 x 5.12 x 3.46 in.)
Dimensions w/ Wall Mount	352 x 134.5 x 110 mm (13.9 x 5.3 x 4.33 in.)	352 x 134.5 x 110 mm (13.9 x 5.3 x 4.33 in.)
Weight	3.0 Kg (6.6 lbs)	3.0 kg (6.6 lbs)



High Power Low PIM Load with DIN Female Connector (LDI-77-100-F1) Outline Drawing



High Power Attenuator shown with Rack Mount Bracket Kit (BKT-HPPD-RM-K) Outline Drawing



DAS Products

STANDARDS & CERTIFICATIONS

High Power Low PIM Load

LDI-77-100-xx

Parts & Accessories

LDI-77-100-F1	High Power, Low PIM 100 Watt Load with DIN 7-16 Female Connectors
LDI-77-100-F2	High Power, Low PIM 100 Watt Load with 4.3-10 Female Connectors
BKT-HPPD-RM-K	Rackmount Bracket Kit for high power passive devices such as Low PIM Attenuator and Low PIM Load accommodates two units
HS-HPPD-K	Heat Shield Kit for high power passive devices such as Low PIM Attenuator and Low PIM Load

Standards & Compliance

Safety	EN 60950-1, UL 60950-1
Emission	EN 55022
Immunity	EN 55024
Environmental	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

