



- Low PIM Load operates over DC - 3000 MHz
- High power operation (2 X 43.0 dBm)
- 50 Ohm Impedance
- Meets VSWR over 600 - 2700 MHz
- Low PIM ≤ -165 dBc (-122 dBm) Typical

Overview

The CCI PP-AK-LOAD Low PIM Load is intended for use in high performance PIM testing over a frequency range from DC to 3000 MHz. The load is capable of handling 2 X 43 dBm signals of RF Power and has a VSWR of 1.2:1 maximum. The Low PIM Load is supplied with a DIN-Male connector on one end and a DIN-Female connector on the other end. This makes the Low PIM Load versatile as it can be utilized when connections of either sex are required. Note that care should be taken to insure all mating surfaces are undamaged and kept clean and free of all debris.



SPECIFICATIONS

High Power Low PIM Load

PP-AK-LOAD

Electrical Specification

RF Parameters	Ports	Frequency(MHz)	Specification
Operating Frequency Range	Input, Output	DC - 3000 MHz	
VSWR (Return Loss)	Input	600 - 2700	1.2:1 Max. (20.8 dB minimum)
	Output	600 - 2700	1.2:1 Max. (20.8 dB minimum)

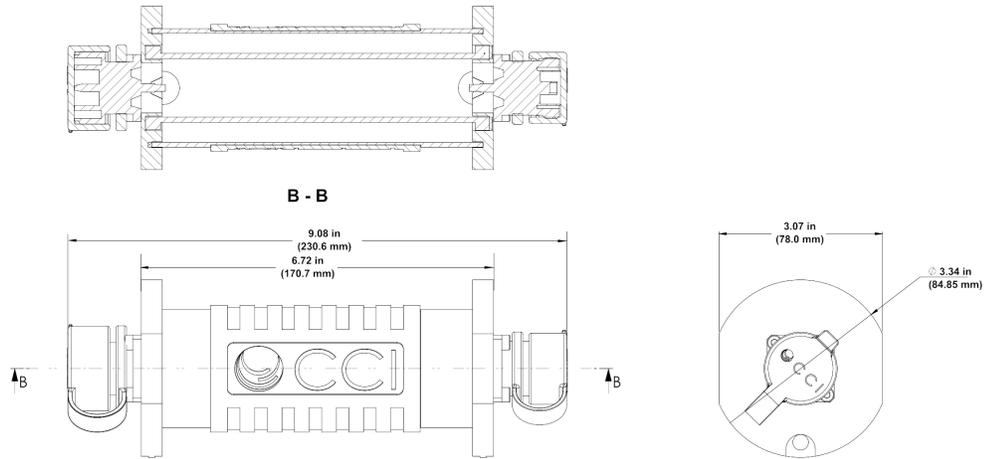
General Characteristics	
Impedance	50 ohms
Continuous Average Power	2 X 43 dBm (Minimum requirement for each test for five minutes, Meet the requirements of PIM at 900 MHz, 1800 MHz, 2100 MHz)
PIM	<-122 dBm (-165 dBc) typical (2 X 43 dBm tones) all bands
Insulation Resistance	> 1000 Megohms
Proof Voltage	1000 V

Environmental Specification

MTBF	>500,000 hours
Operating Temperature	-40 °C to +85 °C

Mechanical Specification

Model	PP-AK-LOAD
Connectors	1 x 7-16 DIN Female (Reference IEC60169-4)
	1 x 7-16 DIN Male (Reference IEC60169-4)
Dimensions	9.08" (L) x 3.34" (Dia.) (230.6 mm (L) x 84.85 mm (Dia.))
Dimensions (Across Flats)	3.07 in (78.0 mm)
Weight	N/A



High Power Low PIM Load Outline Drawing



STANDARDS & CERTIFICATIONS

High Power Low PIM Load

PP-AK-LOAD

Parts & Accessories

PP-AK-LOAD High Power Low PIM Load with 7-16 DIN Male and 7-16 DIN Female Connectors

Standards & Compliance

Certifications

ISO 9001

