

AMP-4BB-J28 Broadband Preamplifier for KRNBB-PC Point Contact Sensor



AMP-4BB-J28



KRNBB-PC

The KRN **AMP-4BB-J28** is a 4 channel broadband preamplifier designed to interface the KRNBB-PC sensor to your Data Acquisition System or AE Test System for signal capture and analysis.

The **AMP-4BB-J28** provides power to the current amplifier integral to the **KRNBB-PC** broadband sensor. The **AMP-4BB-J28** uses an external DC power supply input through a BNC connector on the rear panel.

The amplifier provides 27dB of gain over a broad spectrum of frequencies.

KRN AMP-4BB-J28

Typical Preamplifier Electrical Characteristics:

Bandwidth (3dB)	Cal Mode: 7 kHz to 2 MHz Test Mode: 15.4 kHz to 1.8 MHz
Input Noise (sensor with 6 ft cable):	Cal Mode: $\leq 1\text{mV}$ Test Mode: $\leq 10\text{mV}$
Input Resistance:	453 ohm (Configured to bias jfet)
Input Capacitance:	DC isolation (10uF 50v)
Input Protection:	NA
Maximum Output Voltage:	Test Mode: 24V (clip) Cal Mode: 4V (clip)
Output Impedance:	50 ohm
Input power	24-28 VDC

Mechanical Specifications

Dimensions	mm: 156W x 81H x 177D (in: 6.14W x 3.18H x 6.96D)
Weight	880g (1.94 lb)

Connectors

Sensor In/Out:	BNC (50 ohm)
Power DC (external):	BNC (50 ohm, switched)



AMP-4BB-J28 back panel