

CRY509 Preamplifier Specification

CRY509 Preamplifier outputs through a 4 pin aviation plug, with the characteristics of high input impedance, low output impedance, lower noise, wide frequency response range, etc. It is usually combined with CRY300 series 1/2-inch measurement microphone to transform impedance and amplify acoustic signal. It is also compatible with other 1/2-inch measurement microphone like G.R.A.S. and B&K. The stainless steel material guarantees its good toughness and longtime preservation. It can be used for conditions like electroacoustic test or multi-noise analysis.



DB9 Pin Definition

PIN 2	+5V
PIN 7	-5V
IN 8	GND
PIN9	SIGNAL

Parameters

Frequency Range	10Hz ~ 80kHz (± 0.2 dB)
Input Impedance	$> 1G\Omega$
Output Impedance	$< 20\Omega$
Distortion(THD)	$< 0.1\%$
Max output Voltage	> 5.0 Vrms
Power Supply	Dual Power $\pm 3V \sim \pm 10V$, $< 1mA$ Single Power $+5V \sim +20V$, $< 1mA$
Noise, A-Weighting	< 3 $\mu Vrms$
Noise, linearity(20-20KHz)	< 10 $\mu Vrms$
Gain	0dB
Connector Type	Aviation Plug(Include an aviation plug to DB9 cable)
Temperature	$-30^{\circ}C$ to $+70^{\circ}C$
Thread	11.7mm x 60UNS (M11.7 \times 0.423mm)
Diameter(without connector)	61mm
Height(include base)	25mm