

CRY510 IEPE Preamplifier

Introduction

CRY510 IEPE preamplifier can combine with 1/2 inch measurement microphone to transform the impedance and amplifier the acoustic signal. It also compatible with other 1/2 inch measurement microphones like B&K, G.R.A.S.. This preamplifier has the characteristic of high input impedance, low output impedance, lower noise, wide frequency response range, etc. It can be used for the condition of electroacoustic test system or multi-noise analysis.



Parameters

CRY510 IEPE Preamplifier	
Frequency Response	20Hz ~ 50kHz (± 0.2 dB)
	10Hz ~ 100kHz (± 0.5 dB)
Input Impedance	$> 10\text{G}\Omega/0.5\text{pF}$
Output Impedance	$< 20\Omega$
Distortion (THD)	$< 0.1\%$
Max. Output Voltage	$> 5.0\text{ V}_{\text{rms}}$ (power supply for +24V)
Power Supply	IEPE (2mA ~ 10mA)
Nominal Operating Current	4mA
Noise (A-weighting)	$< 3\ \mu\text{V}_{\text{rms}}$
Noise, linearity (20 ~ 20KHz)	$< 10\ \mu\text{V}_{\text{rms}}$
Gain	-0.3 dB
Connector Type	SMB
Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Thread fitting port	11.7mm x 60UNS (M11.7 x 0.423mm)
Diameter	12.7mm (1/2 inch)
Length	31.5mm