

## CRY506 Preamplifier Specification

CRY500 series 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 microphone 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.



### Technical Specification

CRY506 Preamplifier	
Frequency Response	20Hz ~ 50kHz ( $\pm 0.2$ dB)
	10Hz ~ 100kHz ( $\pm 0.5$ dB)
Input Impedance	$> 10\text{G}\Omega/0.5\text{pF}$
Output Impedance	$< 20\Omega$
Distortion (THD)	$< 0.1\%$
Max. Output Voltage	$> 5.0\text{ Vrms}$ (power supply for +24V)
Power Supply	ICP ( 2 mA ~ 10mA )
Nominal Operating Current	4 mA
Noise (A-weighting)	$< 3\text{ }\mu\text{Vrms}$
Noise, linearity (20-20KHz)	$< 10\text{ }\mu\text{Vrms}$
Gain	-0.3 dB
Connector Type	BNC socket
Temperature	$-30^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Thread fitting port	11.7mm x 60UNS (M11.7 x 0.423mm)
Diameter	12.7mm ( 1/2 inch )
Length	38mm