

## LOW NOISE PREAMPLIFIER CA5360

Input	
Coupling	AC, DC
Connector	BNC-R
Input mode	A-B (balance) A (FLOAT) (unbalance), A (GND) (unbalance)
Impedance	100 M $\Omega$ (nominal value), $\leq 50$ pF in parallel (A and B) 0.015 $\mu$ F (nominal value) at AC coupling
Common mode voltage	$\pm 5$ V (DC to 100 Hz)
CMRR	$\geq 100$ dB (DC to 100 Hz)
Input referred noise	$\leq 5$ nV/ $\sqrt{\text{Hz}}$ at 1 kHz (input short) (at LP5390 series used)
Input referred offset voltage	Adjustable (at side) -10 mV to +10 mV 10 $\mu$ V/ $^{\circ}$ C (supplementary value)
Nondestructive maximum voltage	$\pm 12$ V at DC coupling DC $\pm 40$ V, AC 12 Vpk at AC coupling
Output	
Connector	BNC-R (unbalance)
Maximum Voltage	$\pm 5$ V (load $\geq 2$ k $\Omega$ , DC to 500 kHz)
Maximum Current	$\pm 2.5$ mA
Impedance	50 $\Omega$ (nominal value) (400 Hz)
Input-output Characteristic (output voltage = 1 Vrms)	
Gain	$\times 100$ (40 dB) $\pm 1$ % (400 Hz)
Frequency characteristic (+1 dB / -3 dB)	DC to 1 MHz at DC coupling 0.2 Hz to 1 MHz at AC coupling
Harmonic distortion	$\leq 0.03$ % (at 1 kHz)

Power Supply and Generals	
Input voltage	$\pm 15$ V / $\pm 20$ V / $\pm 24$ V $\pm 5$ %
Input current	$\pm 50$ mA
Connector	HR10-7R-4P (Hirose Electric Co., Ltd. equivalent)
Power indicator	Possible to turn off the lights.
Operating temperature and humidity	0 to +40 $^{\circ}$ C, 5 to 85 %RH, absolute humidity 1 g/m $^3$ to 25 g/m $^3$ , non-condensing
Safety	EN 61010-1 : 2010 EN 61010-2-030 : 2010
EMC	EN 61326-1 : 2013 (Group 1, Class A)
RoHS	Directive 2011/65/EU
Warm-up time	30 minutes
Dimensions(mm)	100(W) $\times$ 48(H) $\times$ 80(D) (excluding protrusions)
Weight	Approx. 250 g, except for accessories
Accessories	Coaxial cable (BNC-BNC 1 m)
Option	Instruction manual DC cable 2m (PA-001-2372) DC cable 2m (PA-001-2791)

### DC Cable (2 m)



Accessory PA-001-2372

for LI5645, LI5650, LI5655, LI5660,  
LP5391, LP5392, LP5393, LP5394



Option PA-001-2791

for LI5630, LI5640, PS-70A

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