

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 Ω (nominal value), ≤ 50 pF in parallel (A and B) 0.015 μ F (nominal value) at AC coupling
Common mode voltage	± 5 V (DC to 100 Hz)
CMRR	≥ 100 dB (DC to 100 Hz)
Input referred noise	≤ 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 μ V/ $^{\circ}$ C (supplementary value)
Nondestructive maximum voltage	± 12 V at DC coupling DC ± 40 V, AC 12 Vpk at AC coupling
Output	
Connector	BNC-R (unbalance)
Maximum Voltage	± 5 V (load ≥ 2 k Ω , DC to 500 kHz)
Maximum Current	± 2.5 mA
Impedance	50 Ω (nominal value) (400 Hz)
Input-output Characteristic (output voltage = 1 Vrms)	
Gain	$\times 100$ (40 dB) ± 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	≤ 0.03 % (at 1 kHz)

Power Supply and Generals	
Input voltage	± 15 V / ± 20 V / ± 24 V ± 5 %
Input current	± 50 mA
Connector	HR10-7R-4P (Hirose Electric Co., Ltd. equivalent)
Power indicator	Possible to turn off the light.
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) Instruction manual DC cable 2m (PA-001-2372)
Option	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