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Analog Linear Optical Coupling

Analog Linear Optical Coupling is photoelectric component by inputting the different current to control the changes of resistance. It makes use of CdS and LED semi-conductor with rigorous selection, aging and test. The product is widely used by current input control and pure resistance with non-polarity output. Our company own the patent of manufacturing and the patent number is ZL02225334.3.

■ Characteristics

Pure resistor and non-polarity output .

Wide range of analog linear resistance, the low “on” resistance, high “off” resistance.

Simple circuit configuration suitable for DC and AC use.

Input to output isolation, and low distortion coupling.

Encapsulation with PPO high-temperature resistant material.

■ Applications

Acoustic protect and control.

Volume control and electric isolation coupling.

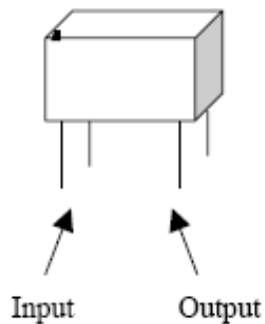
Light adjust and motor speed control.

Communication transmission and automatic control.

■ Specifications

Recommended Model	LCR-0201 Series
Encapsulation	DIP-4 (Cuboid Small Package)
Input Current	0-20mA ,Max.40mA
Input Voltage	1.6-2.5Vdc
Output Light Resistance	50Ω-1KΩ@20mA-0.01mA
Output Dark Resistance	1-10MΩ@10 seconds off later
Response Time	<2.5mS
Insulating Voltage	>2500VRMS
Working Frequency	<300KHz
Out-cell resist Voltage	<50V
Dynamic Range	<100dB
DC Coupling Capacitance	< 5pF
Max. Power Consumption	100mW
Operating Temp.	-30—+70°C
Storage Temp.	-40—+80°C

■ Figure and Dimensions



LCR-0201	Dimensions
Cuboid Long	18.0mm
Cuboid Wide	9.0mm
Cuboid High	9.2mm
Lead Length	8.0mm
Lead Diameter	0.8mm
Pin Gap	10mm, 5.5mm
Input Polarity sign ■	LED cathode-lead

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