


Type 型號	LCR-0202 Series/系列		LCR-0203 Series/ 系列	
Photo 圖片				
Package 封裝	DIP-4(cuboid small package) DIP-4 (長方體小盒裝)		Aluminum alloy columnar package 鋁合金圓桶型	
Input Current 輸入電流	0-20mA		0-20mA	
Input Voltage 輸入電壓	1.6-2.5Vdc		1.6-2.5Vdc	
Output Light Resistance 輸出亮阻	50Ω-1KΩ @20mA-0.01mA		50Ω-1KΩ @20mA-0.01mA	
Output Dark Resistance 輸出暗阻	1Ω-10MΩ @10 seconds off later 1-10MΩ, 關斷後10秒的測量		1Ω-10MΩ @10 seconds off later 1-10MΩ, 關斷後10秒的測量	
Response Period 回應時間	< 2.5mS		< 2.5mS	
Insulating Voltage 絕緣電壓	> 2500VRMS		> 2500VRMS	
Working Frequency 工作頻率	< 300KHz		< 300KHz	
Output Withstand Voltage 輸出端耐壓	< 50V		< 50V	
Dynamic Range 動態範圍	< 100dB		< 100dB	
DC Coupling Capacitance 直流耦合電容DC	< 5pF		< 5pF	
Max Power 最大功耗	100mW		100mW	
Operating Temp 使用溫度	-30°C-70°C		-30°C-70°C	
Storage Temp 儲藏溫度	-40°C-80°C		-40°C-80°C	
Figure and Dimensions 圖形和尺寸				
	Length 長	12.5mm	Cylindric Diameter 直徑	6.0mm
	Width 寬	7.5mm	Cylindric Length 長	13.5mm
	Height 高	8.0mm	Output Lead Length 輸出引腳長	27.5mm
	Lead Length 引腳長	9.0mm	Input Lead Length 輸入引腳長	25.0mm
	Lead Diameter 引腳直徑	0.45mm	Lead Diameter 引腳直徑	0.45mm
	Pin Gap 引腳間隙	9.0mm 4.5mm	Lead Gap 引腳間隙	2.8mm
Input Polarity Sign 輸入極性標誌	LED Cathode-Lead LED 負極	Input Polarity Sign⊕ 輸入極性標誌⊕	LED Anode-Lead LED 正極	
		Ektexine Material 外皮材料	PVC	

Introduction 簡介

Analog Linear Coupling is a type of photoelectric component by inputting different current to control resistance changes. It is made by use of LDR and LED semi-conductor with rigorous selection, aging, and test. The features of this product are current input control and pure resistance non-polarity output. Our company owns the patent and the patent number ZL02225334.3.

綫性光耦是一種通過輸入電流的變化來控制電阻變化的光電器件。它是利用CDS和LED半導體，經過嚴格的挑選、老化測試而制成的一種類比綫性光電耦合器。本產品屬於電流輸入控制型，純電阻無極性輸出，已被廣泛應用。公司享有其制造專利，專利號ZL02225334.3。

Characteristics 主要特徵

- Pure resistor and non-polarity output .
- Wide range of analog linear resistance, "on" at the low resistance, "off" at high resistance.
- Simple circuit configuration suitable for DC and AC use.
- Input to output isolation, and low distortion coupling.
- 純電阻材料，無極性輸出。
- 寬範圍類比綫性電阻，低阻值導通，高阻值關閉。
- 簡單的電路結構適合直流和交流應用場合。
- 輸入和輸出隔離，低失真耦合。

Typical application 典型應用

- Audio power amplifier protection and control
- Volume control and electrical coupling
- 音響功放保護和控制。
- 音量控制和電氣隔離耦合。

Package 使用注意及標準包裝

- It is recommended that the welding should be made at 4mm of lead wire far away from optoisolator's seat, and the welding be completed in the shortest possible time.
- 100pcs per small package,3000pcs per big package.
- 推薦的引腳焊接是在距離光耦底部4mm,且焊接時間儘量短。
- 小包裝100 只，大包裝3000 只。

Typical performance curve 主要特性曲線

