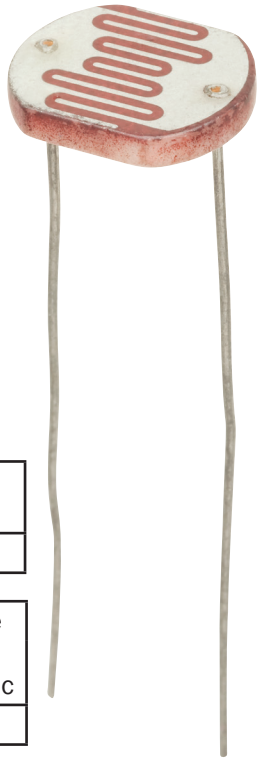
Light Dependent Resistor GL12528

Order code: **58-0135**



Performances and Features:

- Coated with epoxy
- Small volume
- Quick response
- Good reliability
- High sensitivity
- Good spectrum characteristic

Typical Applications

- Camera automation photometry
- Indoor sunlight control
- Industrial control
- Optical control lamp
- Photoelectric control
- Annunciator
- Optical control switch
- Electronic toy

Standard Type and Specification

Specification	Type	Maximum voltage	Maximum power	Enviromental temperature	Spectrum peak value
	GL12528	250V	200mW	–30°C to +70°C	560nm

GL12528	Light resistance (10Lux)	Dark resistance	$\sqrt{\frac{100}{10}}$	Response time		Illuminance resistance characteristic
				Increase	Decrease	
	10-20KΩ	2MΩ	0.7	30ms	30ms	

Testing Conditions

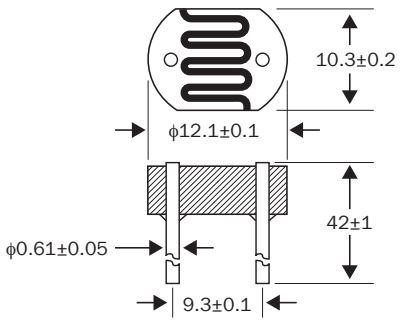
Max external voltage: Maximum voltage to be continuously given to component in the dark.

Max power consumption: Maximum power at the enviromental temperature 25°C.

Light resistance: Irradiate by 400-600Lux light for two hours, then test with 10Lux under standard light source A (as colour temperature 2856K).

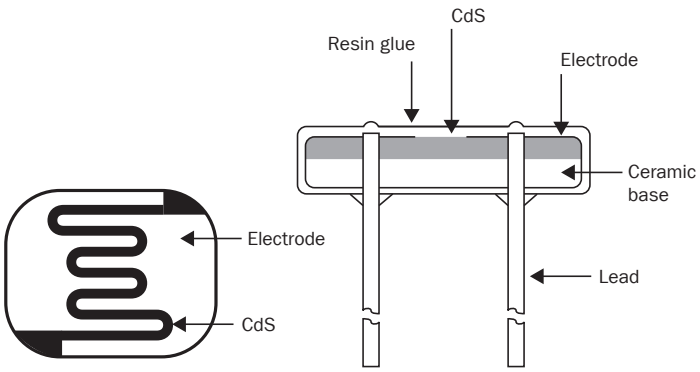
Dark resistance: Refer to the resistance value ten seconds after the 10Lux light is shut up.

Main Characteristics Curve and Dimensions



Specification unit: mm

Schematic Drawing



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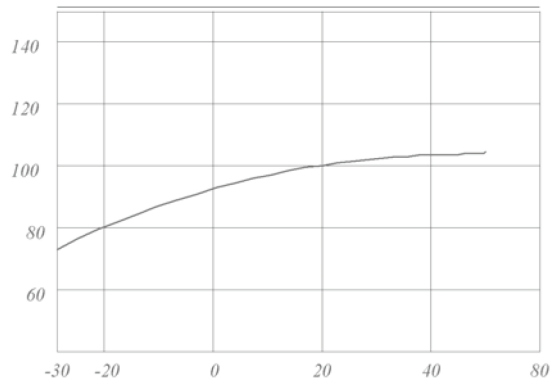
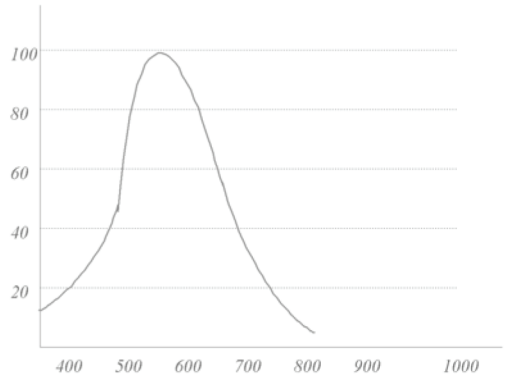
Relative Resistance (%)



Temperature (℃)

Temperature-Property

Relative Response (%)



Wavelength λ (nm)

Spectrum Response Characteristic

Illuminance-Resistance Characteristics Curve