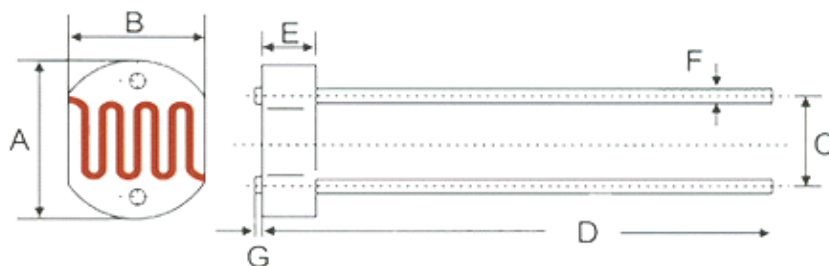


CdSLDR series 5MM

Product structure

	A	B	C	D	E	F	G
GM 5mm series	5.0 ± 0.2	4.2 ± 0.2	3.4 ± 0.05	36 ± 1	1.8 ± 0.2	0.5 ± 0.02	0.2 ± 0.05



Chracteristics

环氧树脂胶封装 (Coated with epoxy)
可靠性好 (Good reliability)
体积小 (Small volume)
灵敏度高 (High sensitivity)
反应速度快 (Quick response)
光谱特性好 (Good spectrum characteristic)

Applicaions

照相机自动测光 (Camera automation photometry)
室内光线控制 (Indoor sunlight control)
光电控制 (Photoelectric control)
光控开关 (Optical control switch)
光控灯 (Optical control lamp)
电子玩具 (Electronic toy)
报警器 (Annunciator)
光控音乐 I.C (Optical control music I.C)
电子验钞机 (Electronic proverbial vlitional)
工业控制 (Industrial control)

Specification ratings

specification	Type number	voltage (V DC)	Power dissipation (mW)	spectrum (nm)	Light resistance (KΩ)	Dark resistance (MΩ)	γ_{10}^{100}	Response time	
								Rise time	Fall time
Φ5mm series	GM5616	150	90	540	5-10	≥ 0.5	0.5	30	30
	GM5628	150	90	540	10-20	≥ 2	0.6	20	30
	GM5637-1	150	90	540	20-30	≥ 3	0.6	20	30
	GM5637-2	150	90	540	30-50	≥ 5	0.7	20	30
	GM5639	150	90	540	50-100	≥ 10	0.8	20	30
	GM5649	150	90	540	100-200	≥ 20	0.9	20	30

Measuring Conditions

1. Light Resistance:
Measured at 10 lux with standard light A (2854k color temperature) and 2h pre-illumination at 400-600 lux prior to testing.
2. Dark Resistance:
Measured 10 second after pulsed 10 lux
3. Gamma Characteristic:

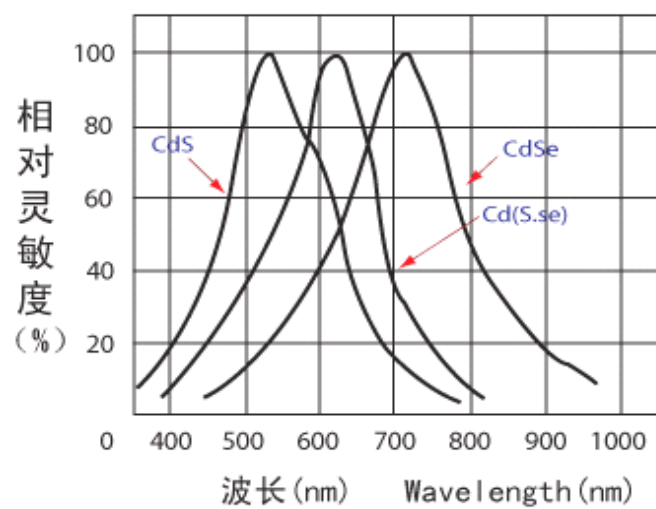
Between 10 lux and 100 lux and given by
$$T = \frac{\log(R10 / R100)}{\log(100/10)}$$

R10, R100 cell resistance at 10 lux and 100 lux. The error of T is ± 0.1 .

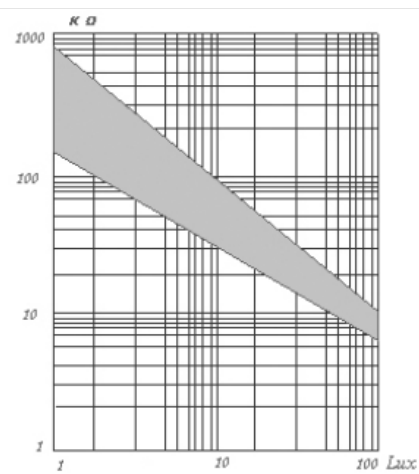
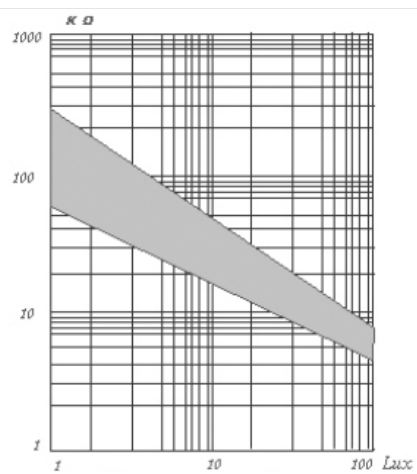
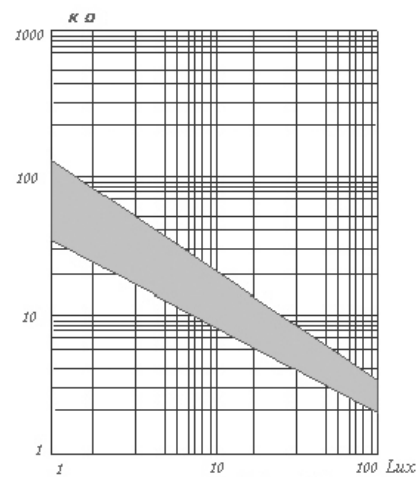
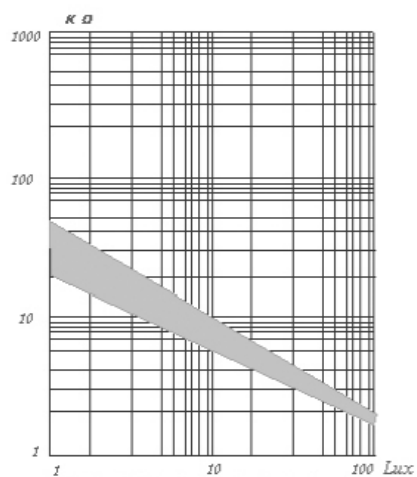
4. Pmax:
Max. power dissipation at ambient temperature of 25℃.
5. Vmax:
Max. Voltage in darkness that may be applied to the cell continuously.

Spectrum sensitivity

note: longitudinal coordinates represents relative sensitivity



Feature of luminous intensity



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