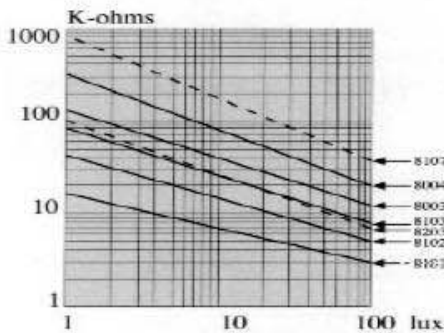
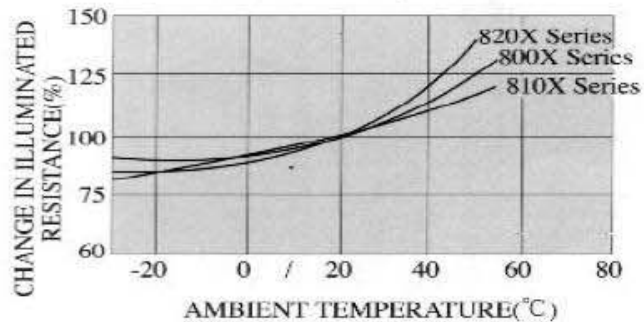


Type No.	Maximum Ratings			Characteristics E (at 25°C)					
	Applied Voltage at 25°C (Vdc)	Allowable Power Dissipation at 25°C (mW)	Ambient Temperature Ta(°C)	Cell Resistance A			C 100~10 lx Type	Response Time at 10 lx D	
				10 lx (at 2856K)		0 lx B		Rise Time Type (ms)	Decay Time Type (ms)
				Min. (K ohm)	Max. (K ohm)	Min. (M ohm)			
8001	150	100	-30~+75	3	11	0.2	0.6	50	20
8002	150	100	-30~+75	8	24	0.5	0.65	50	20
8003	150	100	-30~+75	16	33	0.5	0.7	55	20
8004	150	100	-30~+75	20	60	0.5	0.75	55	20
8005	150	100	-30~+75	40	120	1	0.8	60	25
8006	150	100	-30~+75	80	240	5	0.85	60	25
8101	150	100	-30~+75	4	11	0.15	0.65	55	20
8102	150	100	-30~+75	9	20	0.3	0.7	60	25
8103	150	100	-30~+75	16	33	0.5	0.75	60	25
8104	150	100	-30~+75	27	60	2	0.8	60	25
8105	150	90	-30~+75	50	94	2.5	0.85	60	25
8106	150	90	-30~+75	50	140	20	0.9	60	25
8107	150	90	-30~+75	80	240	20	0.9	60	25

● Cell resistance vs. illuminance



● Cell resistance vs. temperature



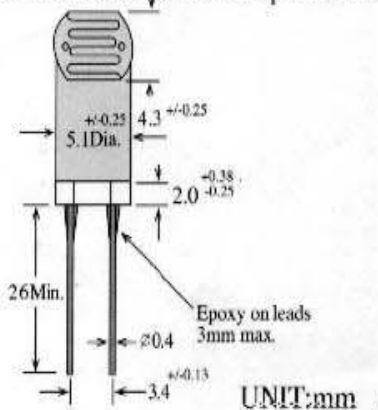
- A. Measured with the light source of a tungsten lamp operated at a color temperature of 2856K.
- B. Measured 10 seconds after removal of incident illuminant of 10 lux.
- C. Gamma characteristic between 10 lux and 100 lux and given by

$$\frac{\log(R_{100}) - \log(R_{10})}{\log(E_{100}) - \log(E_{10})}$$

Where R100, R10: cell resistances at 100 lux and 10 lux respectively
 E100, E10: illuminant of 100 lux and 10 lux respectively

- D. The rise time is the time required for the cell conductance to rise to 63% of the saturated level. The decay time is the time required for the cell conductance to decay from the saturated level to 37%.
- E. All character is tics are measured with the light history conditions: the CdS cell is exposed to light (100 to 500 lux) for one to two hours.

● Cell resistance vs. temperature



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