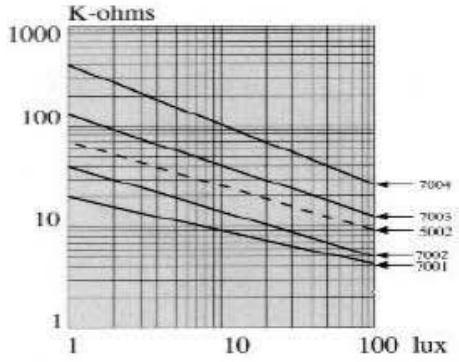
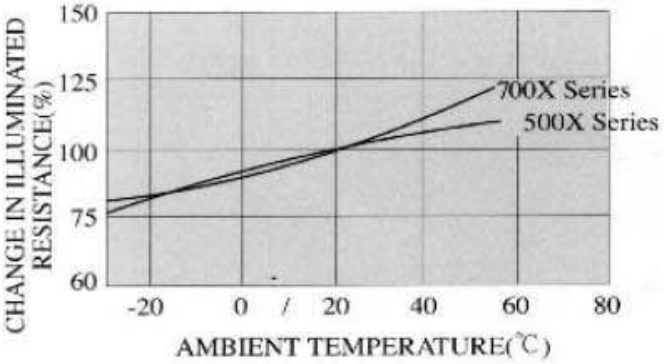
Type No.	Maximum Ratings			Characteristics E (at 25℃)					
	Applied Voltage at 25℃ (Vdc)	Allowable Power Dissipation at 25℃ (mW)	Ambient Temperature Ta(℃)	Cell Resistance A			C	Response Time at 10 lx D	
				10 lx (at 2856K)		0 lx B			
				Min. (K ohm)	Max. (K ohm)	Min. (M ohm)	100~10 lx Type	Rise Time Type (ms)	Decay Time Type (ms)
7002	200	150	-30~+75	4	20	0.5	0.65	55	20
7003	200	150	-30~+75	8	24	0.5	0.7	55	20
7004	200	150	-30~+75	15	60	0.5	0.7	60	25
7005	200	150	-30~+75	50	150	20	0.85	60	25
5001	350	400	-30~+75	8	16	0.3	0.6	55	25
5002	350	400	-30~+75	12	30	0.5	0.75	55	25
5003	350	400	-30~+75	12	58	1	0.75	55	25

● Cell resistance vs. illuminance



● Cell resistance vs. temperature

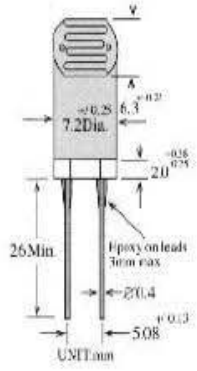


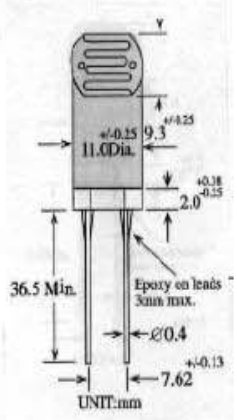
A. Measured with the light source of a tungsten lamp operated at a color temperature of 2856K.
B. Measured 10 seconds after removal of incident illuminant of 10 lux.
C. Gamma characteristic between 10 lux and 100 lux and given by

$$= \frac{\log(R100)-\log(R10)}{\log(E100)-\log(E10)}$$

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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