

# Metal Case Types

Type No.	Out-line	Absolute Maximum Ratings			Characteristics *5 (at 25°C)						
		Applied Voltage at 25°C (Vdc)	Allowable Power Dissipation at 25°C (mW)	Ambient Temperature Ta (°C)	Peak Response Wavelength λp Typ. (nm)	Cell Resistance *1			γ <sub>100</sub> *3	Response Time at 10lx *4	
						10lx (at 2856 K) Min. (kΩ)	Max. (kΩ)	0lx *2 Min. (MΩ)		100 to 10lx Typ.	Rise Time Typ. (ms)

## 5M Types (TO-18)

P1114-01	⑦	100	30	-30 to +50	630	13	39	1	0.80	60	25
P1114-04		100	30	-30 to +50	570	15	45	10	0.80	40	20

## 6M Types (5.5 mm dia.)

P320	⑧	200	50	-30 to +60	520	35	100	20	0.85	60	20
P559		200	50	-30 to +60	540	2.9	8.5	0.1	0.60	100	140
P930		150	50	-30 to +70	560	7	23	0.5	0.68	60	90
P1465		100	50	-30 to +70	520	27	81	10	0.85	60	20

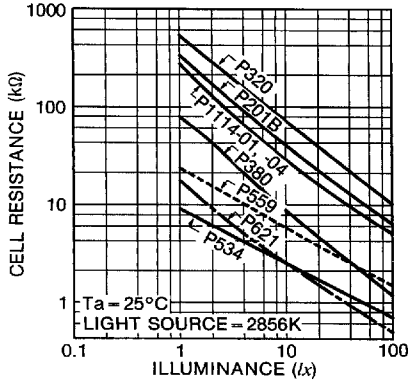
## 8M Types (TO-5)

P201B	⑨	200	100	-30 to +50	560	21	63	20	0.85	25	20
P201D		200	100	-30 to +60	520	20	60	10	0.90	30	10
P368		200	50	-30 to +50	620	14	43	20	0.85	35	20
P380		200	50	-30 to +50	620	4.4	13	20	0.85	35	20
P467		100	100	-30 to +60	520	8	24	5	0.90	50	20
P534		100	100	-30 to +80	560	1.3	3.7	0.05	0.55	70	100

## 12M Types (TO-8)

P621	⑩	150	300	-30 to +60	570	1.3	3.7	0.3	0.75	80	40
P3872		400	300	-30 to +60	540	5	15	1.0	0.80	40	30

### • Cell resistance vs. illuminance



\*1 Measured with the light source of a tungsten lamp operated at a color temperature of 2856K.

\*2 Measured 10 seconds after removal of incident illuminance of 10 lux.

\*3 Gamma characteristic between 10 lux and 100 lux and given by

$$\gamma_{10}^{100} = \frac{|\log(R_{100}) - \log(R_{10})|}{|\log(E_{100}) - \log(E_{10})|}$$

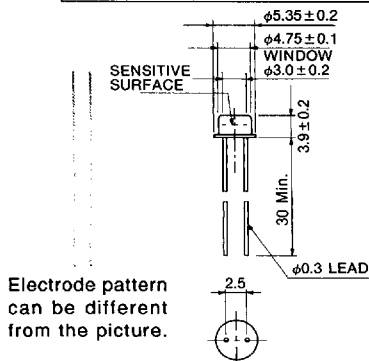
Where R<sub>100</sub>, R<sub>10</sub>: cell resistances at 100 lux and 10 lux respectively

E<sub>100</sub>, E<sub>10</sub>: illuminances of 100 lux and 10 lux respectively

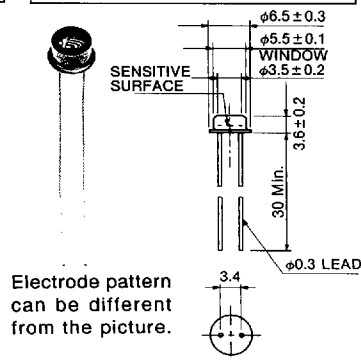
\*4 The rise time is the time required for the cell conductance to rise to 63% of the saturated level. The fall time is the time required for the cell conductance to decay from the saturated level to 37%.

\*5 All characteristics are measured with the light history conditions: the CdS cell is exposed to light of 100 to 500 lux for one to two hours.

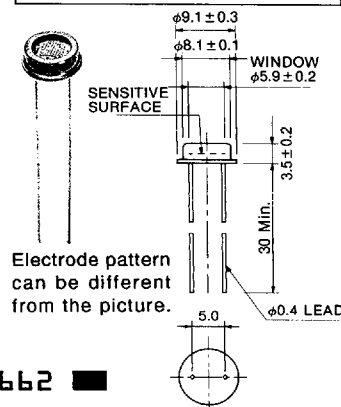
### ⑦ 5M Types (TO-18)



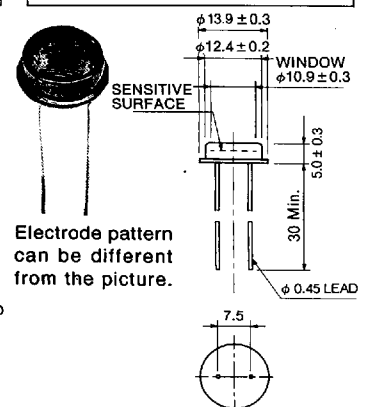
### ⑧ 6M Types



### ⑨ 8M Types (TO-5)



### ⑩ 12M Types (TO-8)



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