

PRODUCT SPECIFICATIONS



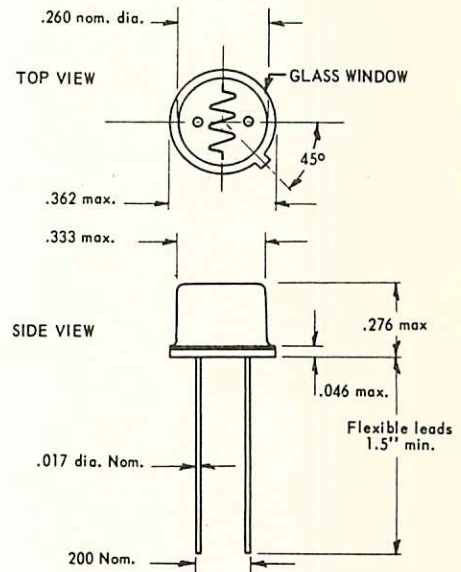
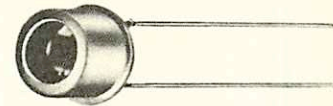
PHOTOCELLS TO-5 PACKAGE

CK1241 through CK1247 CK1261 through CK1266

Raytheon's TO-5 photocells are hermetically sealed in metal cases and are available with cadmium selenide and cadmium sulfide sensors. The rugged mechanical construction, small size and light weight provide ease in mounting. The wide range of characteristics and high voltage capability provide a low noise, completely ohmic light-dependent variable resistor, useful over a wide range of voltage and illumination.

The cadmium selenide cells, having faster switching speeds are especially suitable for chopper and other control or switching applications requiring operation up to one kilocycle per second. The color response covers the visual light range and extends well into the infra-red.

The cadmium sulfide cells, having a lower temperature coefficient, are especially suitable where stability over a wide temperature range is required. The improved temperature stability and more linear response to illumination makes this type particularly good for applications requiring better stability in hostile environments. The spectral response follows closely that of the human eye.



TYPICAL OPERATING CHARACTERISTICS							
Type	Sensitive Material	Resistance @ 100 ft. C (ohms)	Min. Off Resistance	Response Time		Maximum Voltage	Power Diss. Max.
				Rise	Fall		
CK1241	CdSe	150	100 Meg.	3 ms	60 ms	50v	75 mw
CK1242	CdSe	300	100 Meg.	3 ms	60 ms	50v	75 mw
CK1243	CdSe	500	100 Meg.	3 ms	60 ms	100v	100 mw
CK1244	CdSe	750	100 Meg.	3 ms	60 ms	100v	100 mw
CK1245	CdSe	1000	100 Meg.	2 ms	40 ms	200v	200 mw
CK1246	CdSe	1250	100 Meg.	2 ms	40 ms	200v	200 mw
CK1247	CdSe	10000	1000 Meg.	1 ms	5 ms	200v	200 mw
CK1261	CdS	600	1 Meg.	3 ms	1.7 sec.	50v	50 mw
CK1262	CdS	1000	10 Meg.	3 ms	1.5 sec.	50v	75 mw
*CK1263	CdS	1500	10 Meg.	3 ms	1.5 sec.	50v	75 mw
CK1264	CdS	2000	100 Meg.	3 ms	1.5 sec.	100v	100 mw
CK1265	CdS	2500	100 Meg.	2 ms	1.0 sec.	100v	100 mw
**CK1266	CdS	25000	100 Meg.	1.5 ms	.6 sec.	300v	100 mw

*Formerly EM-1507

**Formerly EM-1505