

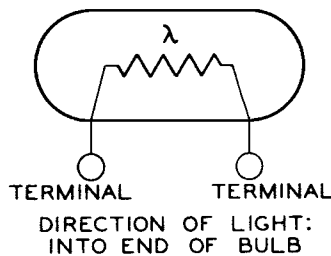
Photoconductive Cell

CADMIUM-SELENIDE, HEAD-ON TYPE

DATA

General:

Spectral Response.	See <i>Accompanying Curve</i>
Wavelength of Maximum Response	7300 $\pm$ 500 angstroms
Sensitive Surface:	
Shape.	Rectangular
Length	0.220" $\pm$ 0.015"
Width.	0.008" $\pm$ 0.003"
Area (Average)	0.00176 sq. in.
Maximum Length (Excluding flexible leads).	0.500"
Diameter	0.29" $\pm$ 0.01"
Envelope	Glass
Seals.	Hermetic
Leads, Flexible.	2
Minimum length	1.5"
Diameter	0.016" $\pm$ 0.003"
Operating Position	Any
Weight (Approx.)	0.04 oz



λ indicates that the primary characteristic of the element within the envelope symbol is designed to vary under the influence of light.

Maximum Ratings, Absolute-Maximum Values:

VOLTAGE BETWEEN TERMINALS		
(DC or Peak AC).	100 max.	volts
PHOTOCURRENT	1000 max.	μ a
POWER DISSIPATION.	30 max.	mW
AMBIENT TEMPERATURE.	50 max.	$^{\circ}$ C

Characteristics:

With dc voltage of 22.5 volts between terminals and an ambient temperature of 25 $^{\circ}$ C

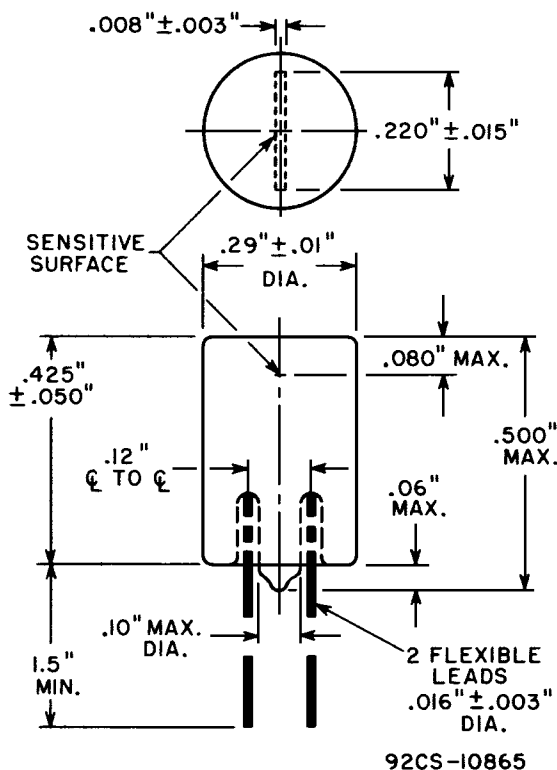
Min Median Max.

Sensitivity:

Radiant [▲] at 7300			
angstroms.	—	6550	—
Luminous ^{●,★}	—	41	—
Illumination ^{●,★}	—	500	—
Photocurrent [◆]	—	—	0.05
			μ a

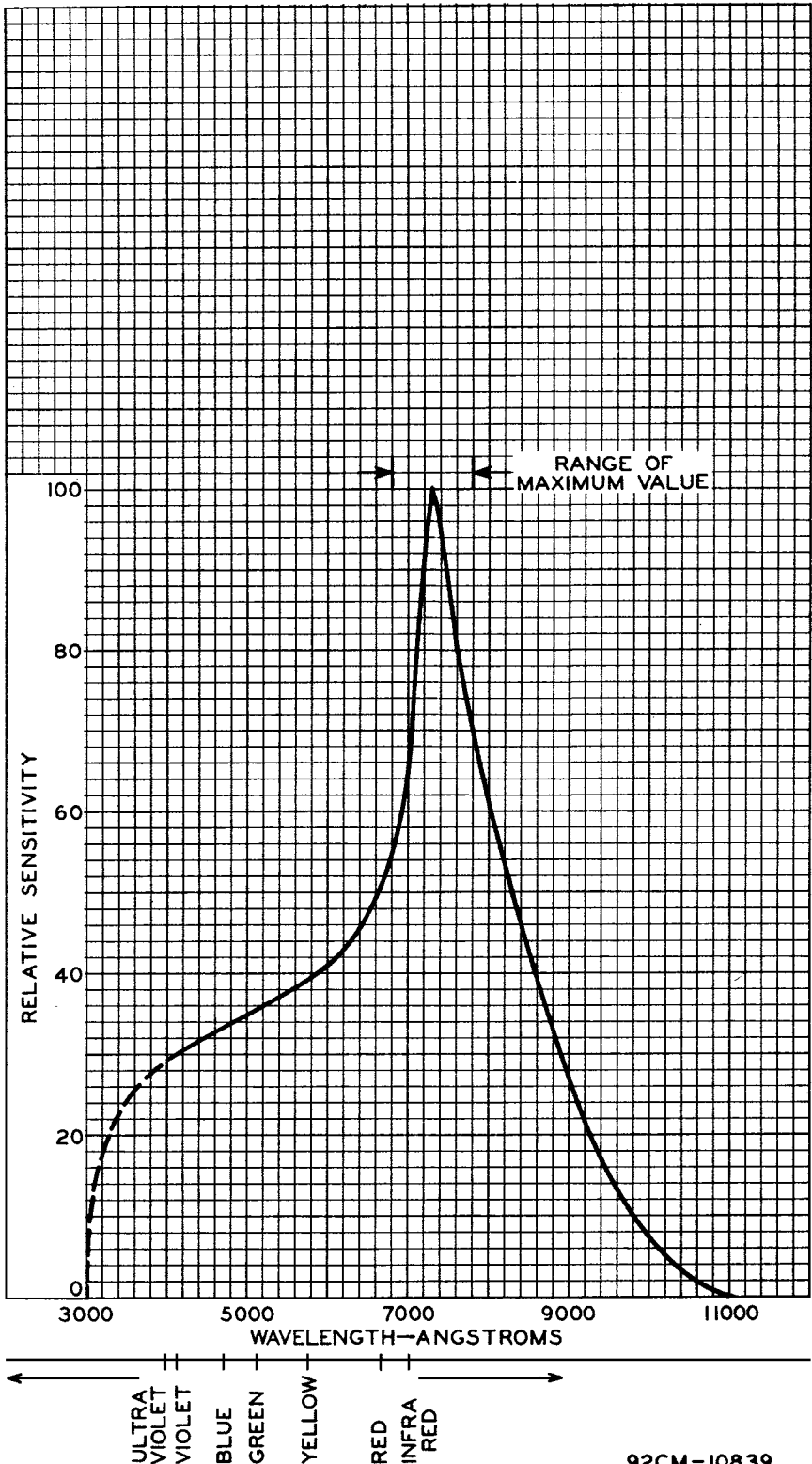


- ▲ For conditions where the incident power is 7.65×10^{-10} watts.
- For conditions where the light source is a tungsten-filament lamp operated at a color temperature of 2870° K.
- ★ Incident illumination on the sensitive surface is 0.01 footcandle.
- ◆ Measured 20 seconds after removal of incident-illumination level of 0.01 footcandle.



SPECTRAL-SENSITIVITY CHARACTERISTIC

For Equal Values of Radiant Flux at All Wavelengths



92CM-10839

