

Absolute maximum ratings

Voltage, ac or dc peak _____ 100V

Current _____ 5mA

Power dissipation at 25°C _____ 50mW*

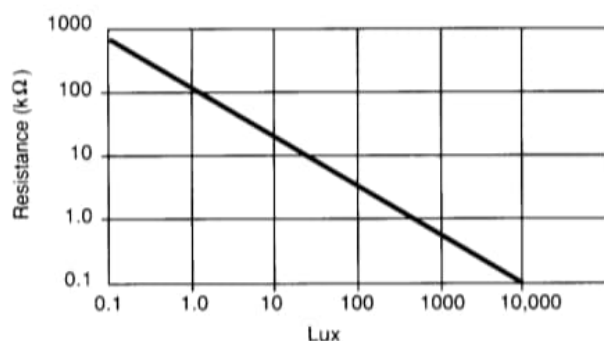
Operating temperature range _____ -25°C +75°C

*Derate linearly from 50mW at 25°C to 0W at 75°C.

Electrical characteristics

Parameter	Conditions	Min.	Typ.	Max.	Units
Cell resistance	10 lux	20	-	100	k Ω
	100 lux	-	5	-	k Ω
Dark resistance	10 lux after 10 sec	20	-	-	M Ω
Spectral response	-	-	550	-	nm
Rise time	10ftc	-	45	-	ms
Fall time	10ftc	-	55	-	ms

Figure 4 Resistance as a function illumination



Dimensions

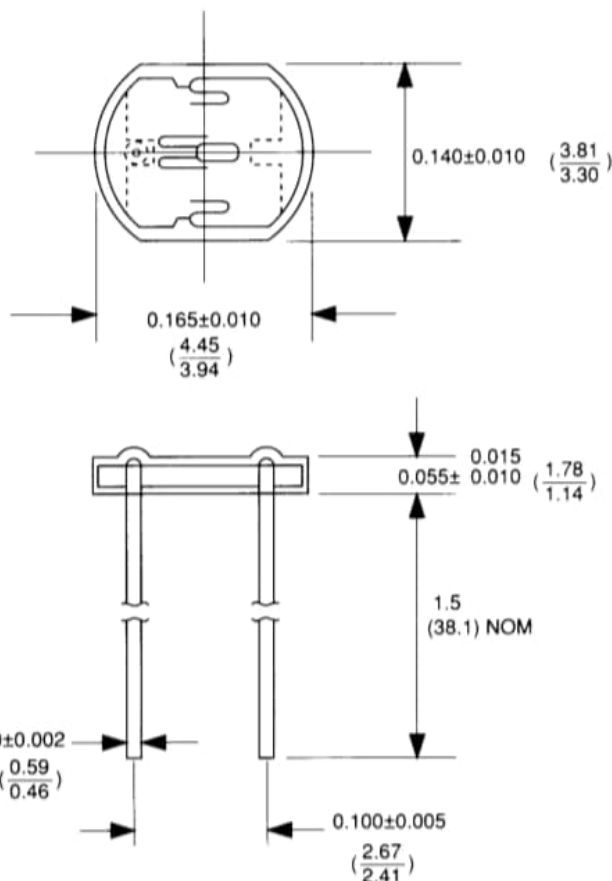
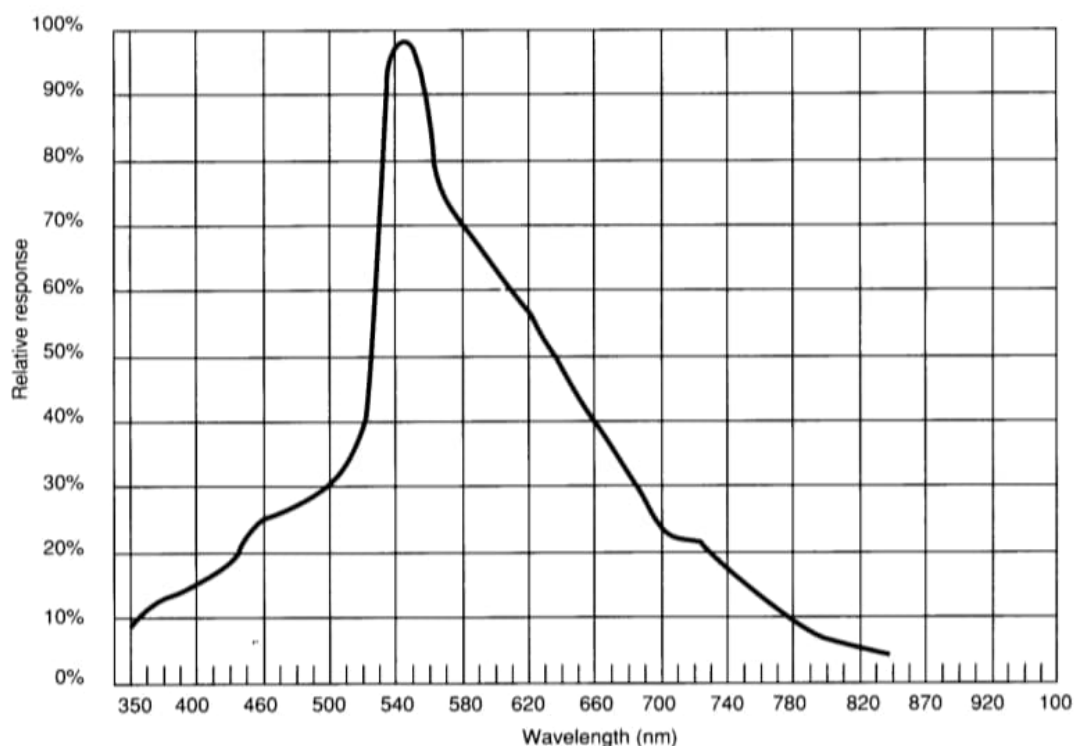


Figure 5 Spectral response



Arduino

