

- FEATURES**
- Linearity of Ee vs IL
 - Low Dark Current
 - Wide Angular Response
 - High Reliability in Demanding Environments
- APPLICATIONS**
- Optical Switches
 - Edge Sensing
 - Fiber Optical Communications
 - Smoke Detectors

1. ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

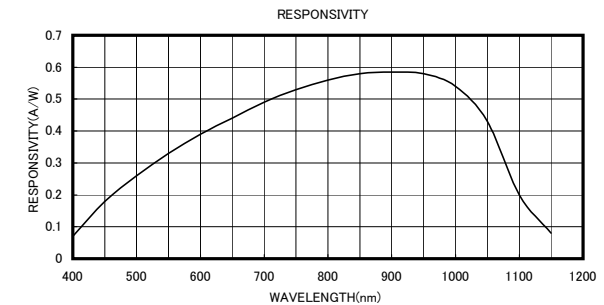
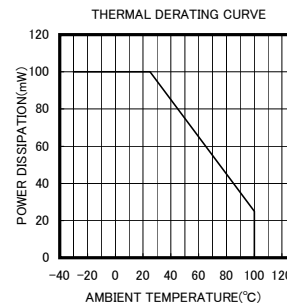
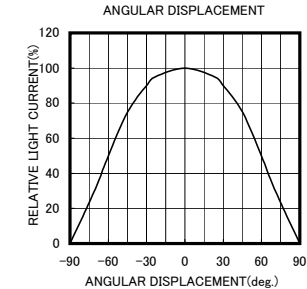
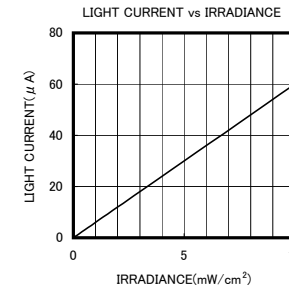
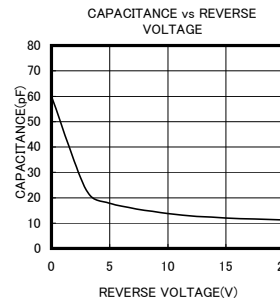
ITEM	SYMBOL	RATINGS	UNIT
Reverse Voltage	VR	30	V
Power Dissipation	PD	100	mW
Operating Temp.	Topr	-30 TO 100	°C
Storage Temp.	Tstg	-40 TO 125	°C
Junction Temp.	Tj	125	°C
Lead Soldering Temp.*1	Tls	260	°C

*1:Time 5 Sec max,Position:Up to 3mm from the body

2. ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25°C)

ITEM	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Open Circuit Voltage	Voc	Ee=5mW/cm ² ※	0.35			V
Light Current	IL	VR=10V,Ee=5mW/cm ² ※		30		μA
Dark Current	ID	VR=10V			10	nA
Curve Factor	CF	Ee=5mW/cm ² ※	0.55			—
Spectral Sensitivity	λ			400~1100		nm
Peak Sensitivity Wave Length	λp			900		nm
Responsivity	Rt	VR=0V, λ =450nm		0.18		A/W
Responsivity	Rt	VR=0V, λ =900nm		0.58		A/W
Angular Response	θ			±60		deg
Junction Capacitance	Cj	at 1MHz, V=0V		60	100	pF

※ Color Temperature=2870°K Standard Tungsten Lump



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