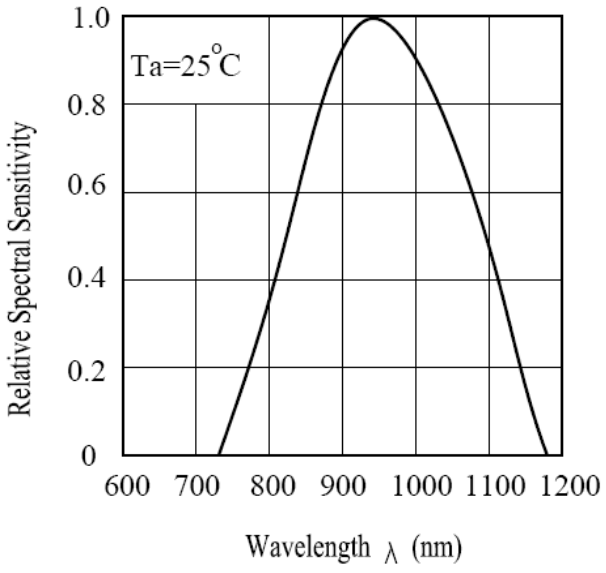
SENSOR PARAMETER ：

Electro-Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Rang of Spectral Bandwidth	$\lambda_{0.5}$	-----	840	---	1100	nm
Wavelength of Peak Sensitivity	λ_p	-----	---	940	---	nm
Open-Circuit Voltage	V_{OC}	Ee=5m W/cm^2 λ p=940nm	---	0.32	---	V
Short- Circuit Current	I_{SC}	Ee=1m W/cm^2 λ p=940nm	---	17	---	μA
Reverse Light Current	I_L	Ee=1m W/cm^2 λ p=940nm V_R=5V	10	17	---	
Dark Current	Id	Ee=0m W/cm^2 V_R=10V	---	5	30	nA
Reverse Breakdown	BV_R	Ee=0m W/cm^2 I_R=100 μA	32	170	---	V
Total Capacitance	Ct	Ee=0m W/cm^2 V_R=3V f=1MHZ	---	25	---	pF
Rise/Fall Time	t_r/t_f	V_R=10V R_L=1K Ω	---	50/50	---	nS

Fig.2 Spectral Sensitivity



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FEATURES

1).Sunlight measurement up to 1999w/m2 or 634BTU/(ft2*h)
2).High accuracy and rapid response
3).Data HOLD funtction to hold measurement values
4).Unit and sign display for easy reading
5).Measuring unit selection among w/m2 and BTU/(ft2*h)
6).Manual scale selection
7).Direct reading with no adjustments needed
8).Maximum and minimum values
9).Low battery indication

Specification

1).operating temp&RH:5□—40□,below 80%RH.
2).Storage temp &RH:-10□--60□,below 70%.
3).Display:3-1/2 digits LCD with maxmum reading 1999.
4).Sampling time:Approx 0.25 second.
5).Resolution:1W/m2;1BTU(ft2*h).
6).Accuracy: typically within ±10W/m2 [±3BTU(ft2*h)]or ±5%,whichever is greater in sunlight ;Additional temperature induced error ±0.38W/m2/□.
7).Accuracy:< ±3 year.
8).Over-input:Display shows‘OL’.
9).Range:1999W/m2,634BTU(ft2*h).