

Si Photo-diode Chip – TK0026RPD

1. Scope

- The specification applies to PIN silicon photo-diode chips.
- Type : TK0026RPD.

2. Structure

- PIN planar type.
- Electrode topside (anode) : Aluminum.
- Electrode backside (cathode) : Gold alloy.

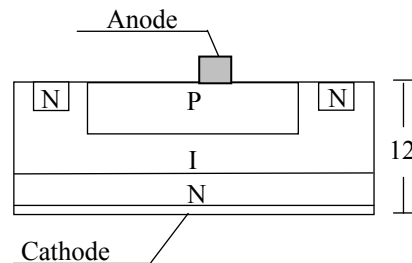
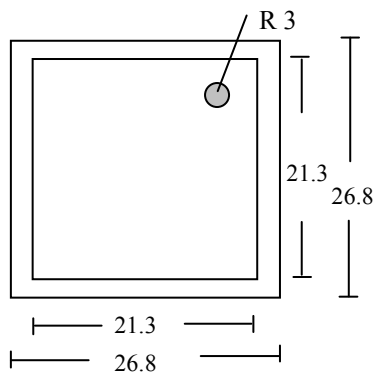
3. Size

- Chip size : 26.8mil×26.8mil , ±2mil (0.680mm×0.680mm , ±0.05mm)
- Thickness : 12mil±1mil (0.300mm±0.025mm)
- Active area : 21.3mil×21.3mil , ±0.5mil (0.540mm×0.540mm , ±0.0013mm)
- Pattern drawing : per fig. 1

4. Electro-Optical Characteristics

(Ta = + 25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit.
Forward Voltage	V_F	$I_F=10\text{mA}$, $H=0$	0.5		1.3	V
Reverse Dark Current	I_D	$V_R=10\text{V}$, $H=0$			10	nA
Reverse Breakdown Voltage	V_{BR}	$I_R=100\mu\text{A}$, $H=0$	60			V
Light Current	I_L	$V_R=5\text{V}$, $1\text{mw}/\text{cm}^2@850\text{nm}$		7		uA
Peak Sensing Wavelength	λ_p			850		nm
Junction Capacitance	C_J	$V_R=5\text{V}$, $H=0$, $F=1\text{MHz}$		3.0		pF



Unit : mil
fig.1



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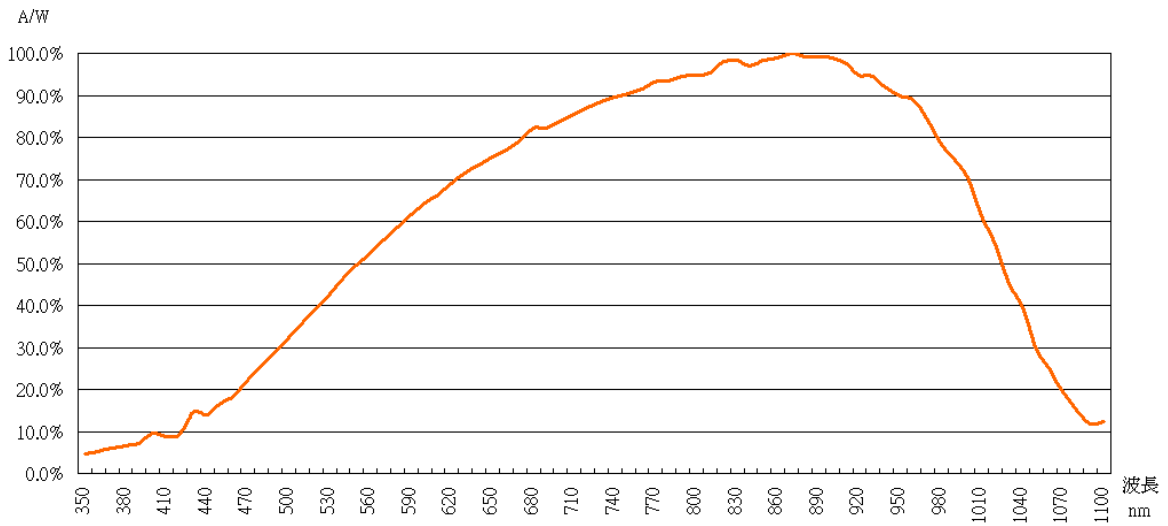
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