

PD60T

Chip Type Photodiode

■ Features

1. Subminiature (Dimensions : $3.2 \times 1.6 \times 0.8\text{mm}$)
2. Thin type (Thickness : 0.8mm)
3. Surface mount type (leadless type)
4. Taped model (4 000pcs./reel)

■ Applications

1. Pagers
2. Cellular phones
3. Other portable equipment

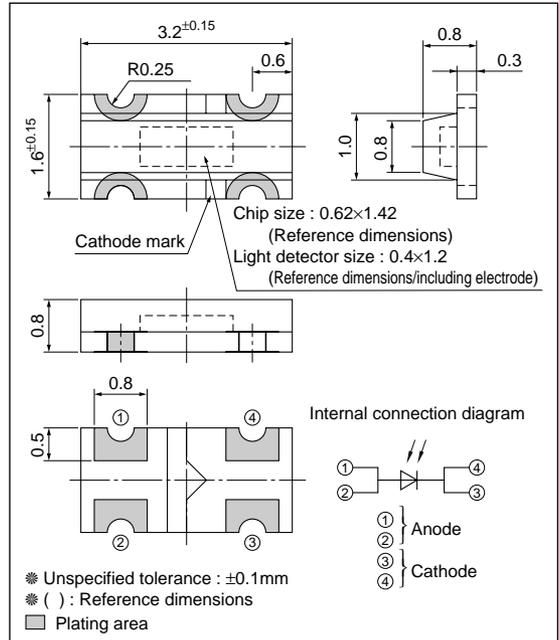
■ Absolute Maximum Ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Power dissipation	P	50	mW
Operating temperature	T_{opr}	-25 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$
*1 Soldering temperature	T_{sol}	260	$^\circ\text{C}$

*1 Hand soldering temperature, for MAX. 3s

■ Outline Dimensions

(Unit : mm)



■ Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions *2	MIN.	TYP.	MAX.	Unit	
Short circuit current	I _{sc}	E _v =1 000 lx	2.8	4.5	6.9	μA	
Dark current	I _d	E _v =0, V _R =10V	–	–	10	nA	
Reverse voltage	V _R	I _R =10μA	30	–	–	V	
Terminal capacitance	C _t	V _R =10V, f=1MHz	–	3	–	pF	
Peak sensitivity wavelength	λ _p	–	–	940	–	nm	
Response time	Rise time	t _r	V _R =10V, R _L =1 000Ω	–	50	250	ns
	Fall time	t _f	V _R =10V, R _L =1 000Ω	–	50	250	ns
Half intensity angle	Δθ	–	–	±65	–	°	

*2 E_v=Illuminance by CIE standard light source A (tungsten lamp)

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