SHARP PD60T

PD60T

■ Features

1. Subminiature (Dimensions : $3.2 \times 1.6 \times 0.8$ 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

(Ta=25°C)

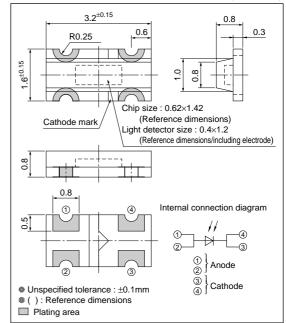
Parameter	Symbol	Rating	Unit	
Reverse voltage	V_R	30	V	
Power dissipation	P	50	mW	
Operating temperature	Topr	-25 to +85	°C	
Storage temperature	Tstg	-40 to +100	°C	
*1 Soldering temperature	Tsol	260	°C	

^{*1} Hand soldering temperature, for MAX. 3s

Chip Type Photodiode

■ Outline Dimensions

(Unit: mm)



■ Electro-optical Characteristics

(Ta=25°C)

Paramet	er	Symbol	Conditions *2	MIN.	TYP.	MAX.	Unit
Short circuit current		Isc	Ev=1 000 lx	2.8	4.5	6.9	μΑ
Dark current		Id	Ev=0, V _R =10V	_	_	10	nA
Reverse voltage		VR	I _R =10μA	30	_	_	V
Terminal capacitance		Ct	V _R =10V, f=1MHz	_	3	_	pF
Peak sensitivity wavelength		λр	_	-	940	-	nm
Response time	Rise time	tr	$V_R=10V$, $R_L=1~000\Omega$	_	50	250	ns
	Fall time	t f	$V_R=10V, R_L=1\ 000\Omega$	_	50	250	ns
Half intensity angle		Δθ	-	-	±65	-	۰

^{*2} Ev=Illuminance by CIE standard light source A (tungsten lamp)

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