

SST323R-03 Photo Transistor

SST323R-03 is a high sensitivity NPN silicon phototransistor mounted in a black sidelooking package, It is compact and easy to mount.

Features

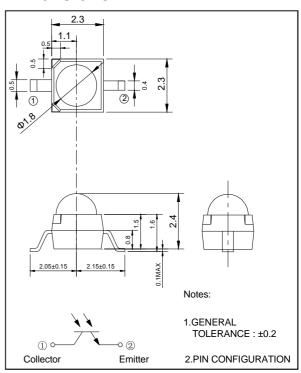
- Compact
- Low-cost
- Sidelooking plastic package

Application

- Photointerrupters
- Optical detectors
- Optical counters

Dimensions

(Unit:mm)



MAXIMUM RATINGS

(Ta= 25°C)

ltem	Symbol	Rating	Unit
C-E voltage	V_{CEO}	30	V
E-C voltage	V_{ECO}	5	V
Collector current	I _C	20	mA
Collector power dissipation	P _C	75	mW
Operating temp.	Topr.	- 25∼+85	$^{\circ}$
Storage temp.	Tstg.	- 30∼+85	$^{\circ}$
Soldering temp. * 1	Tsol.	260	$^{\circ}$

Lead Soldering Temperature(3mm from case for 5sec)

ELECTRO- OPTICAL CHARACTERISTICS

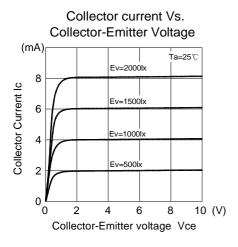
(Ta= 25°C)

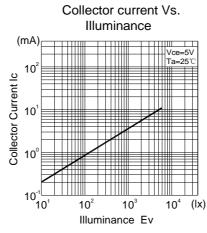
Items	Symbol	Condition	Min.	Тур.	Max.	Unit
Collector dark current	Iceo	V _{CEO} =10V	-	-	100	nA
Light current	IL	$V_{CE}=5V, E_{V}=1000 \text{ lx}^{*2}$	1.4	ı	ı	mA
C-E saturation voltage	Vce(sat)	$I_{\rm C}$ =0.5mA, $E_{\rm V}$ =2000 lx *2	-	-	0.4	V
Switching speeds Rise time	tr	V_{CC} =10V, I_{C} = 5mA ,		3.2		µsec
Switching speeds Fall time	tf	$R_L=100\Omega$	-	4.8	•	µsec
Spectral sensitivity	λ		700~1,050			nm
Peak wavelength	λр		-	880	-	nm
Half angle	Δθ		-	±20	-	deg.

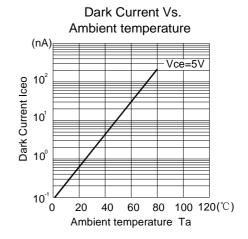
^{*2.} Irradiance by CIE standard light source A (2856K tungsten lamp)

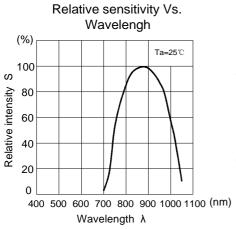
Photo Transistor

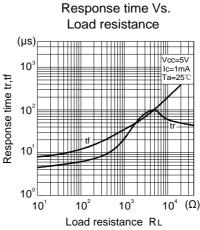
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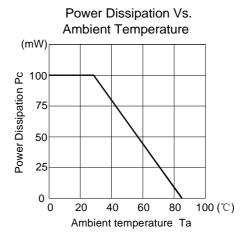


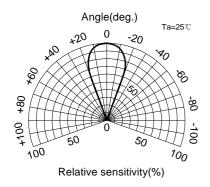












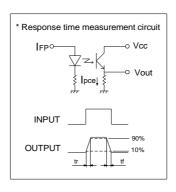


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Packing Specification

- 1.Fixed quantity (5000pcs) of the products are packed into plastic reel
- 2.Tow reels of the products are put into box
- 3. Five boxes are put into #3 box (max 50,000pcs)
- 4. Packing slit is pasted on the out box

