External dimensions (Unit: mm)

Photointerrupter, General type

Absolute maximum ratings (Ta=25°C)

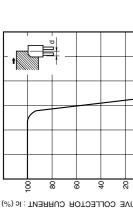
				1						
Unit	mА	^	MM	۸	^	mA	MM	၁့	ပွ	s/D _o
Limits	20	5	80	30	4.5	30	80	-25 to +85	-40 to +85	260/3 *
Symbol	-le	VR	P _D	Vceo	Veco	ol	Pc	Topr	Tstg	Tsol
Parameter	Forward current	⊖ Reverse voltage	Power dissipation	Collector-emitter voltage	ह Emitter-collector voltage	Collector current	Collector power dissipation	Operating temperature	Storage temperature	Soldering temperture
	(CI = 1) fuant		tuqtuO (-otodq)							

Electrical and optical characteristics (Ta=25°C)

* 1mm from the body bottom.

Conditions	I=50mA	V _R =10V	VcE=10V	I	Vce=5V, IF=20mA	I=20mA, Ic=0.1mA	C00+ G 4-00 -1 //1	VCC=OV, IF=ZUTIA, FL= I UU12	==50mA	* Non-coherent Infrared light emitting diode used.	$V_{\rm CC=5V_s}$ [c=1mA, RL=1000. $_{\rm \$}$ This product is not designed to be protected against electromagnetic wave.	ı
Unit	>	μĄ	μĄ	шu	mA	>	sn	sn	MHz	E	sm	ши
Мах.	1.6	9	0.5	1	1	0.5	ı	ı	ı	ı	ı	ı
Typ.	1.3	1	1	800	1	0.1	9	10	-	950	10	800
Min.	ı	ı	ı	ı	0.5	ı	ı	1	ı	1	ı	ı
Symbol	VF	R	Ісео	λP	0	VCE(sat)	‡	Ħ	ħ	γ	tr-tf	λP
Parameter	Forward voltage	Reverse current	Dark current	Peak sensitivity wavelength	Collector current	Collector-emitter saturation voltage	Rise time	Fall time	Cut-off frequency	Peak light emitting wavelength	Response time	Maximum sensitivity wavelength
	Output Input charac- charac- teristics teristics				Transfer characteristics			Infrared light emitter diode		Photo transistor		

Electrical and optical characteristics curves



(Am) ⊫ : TN∃RRUD GRAWRO=

Applications

Printers Facsimiles

Features

- 2) Small gap (0.5mm) and good accuracy.
- 4) Filter against visible ray is built-in.

0.9	Gap A 4.0.4 A 4.0.4 A 4.0.4 A 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	14(Bottom) (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
0.8	01 3.7 → 4.0±8,£	

OLLECTOR CURRENT: Ic (mA)

200 100 20

RESPONSE TIME : t (µs)

20

25°C 25°C 75°C 75°C

FORWARD CURRENT: IF (mA)

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