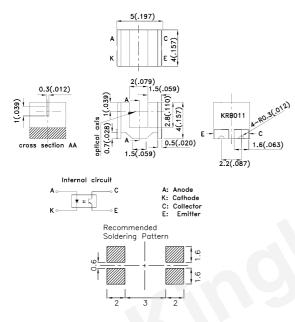
## \*Application

1.Floppy disk drives,Camera.

2. Various microcomputerized control equipment.

### \*Dimensions

Note:All units are in millimeters unless otherwise indicated.



Unless otherwise., the tolerances are ±0.15mm.

\*Electrical / Optical Characteristics at TA=25°C

### \*Features

- 1.Ultra-compact.
- 2. High sensing accuracy(Slit width:0.3mm).
- 3.Gap between light emitter and detector:2mm.
- 4. Moisture Sensitivity Level : Level 4.
- 5.RoHS compliant.

## \*Absolute Maximum Ratings (Ta=25°C)

Parameter		Symbol	Rating	Unit
Input	Forward current[1]	lF	25	mA
	Reverse voltage	Vr	5	V
	Power dissipation	Pd	35	mW
Output	Collector-emitter voltage	VCEO	20	V
	Emitter-collector voltage	VECO	5	V
	Collector current	lc	20	mA
	Collector power dissipation	Pc	75	mW
Operating temperature		Topr	-30~+85	°C
Storage temperature		Tstg	-40~+90	°C
Soldering temperature[2]		Tsol	260	°C
Manual soldering[2]		Tsol	300	°C
Notes:		1	1	

Notes:

1.Refer to the temperature rating chart if the ambient temperature exceeds  $25^{\circ}\text{C}.$ 

2.Complete soldering within 10 seconds for reflow soldering and within 3 seconds for manual soldering.

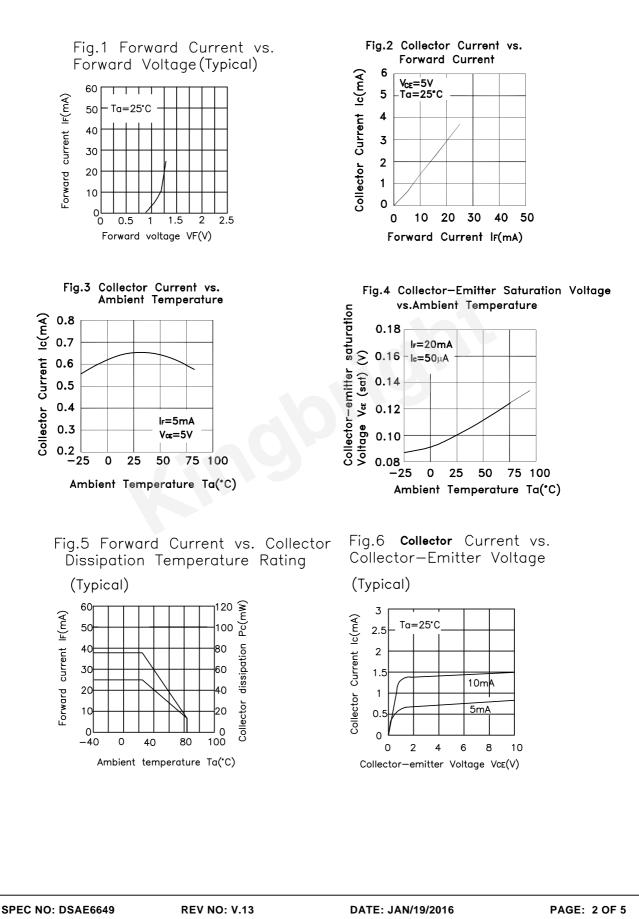
#### Value Conditions Parameter Symbol Min. Тур. Max. Forward voltage VF 1.1V 1.3V IF=5mA Input Reverse current IR VR=5V --10µA Peak Wavelength 940nm λр --IF=5mA,VCE=5V Collector current Ic 50µA 650µA -VCE =10V 100nA Collector dark current lо --Output Cullector-emitter saturation voltage 0.1V 0.4V VCE(sat) Ic=50µA, IF=20mA -Peak spectral sensitivity wavelength \_ 920nm \_ λp Vcc=5V, Rise time tr -8µsec -RL=1KΩ Fall time tf 10usec --Ic=100µA

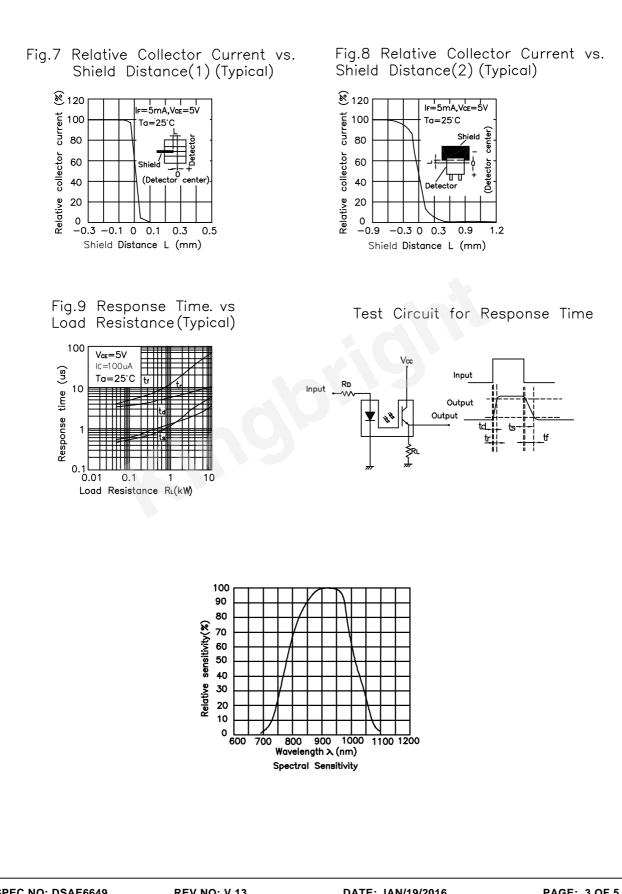


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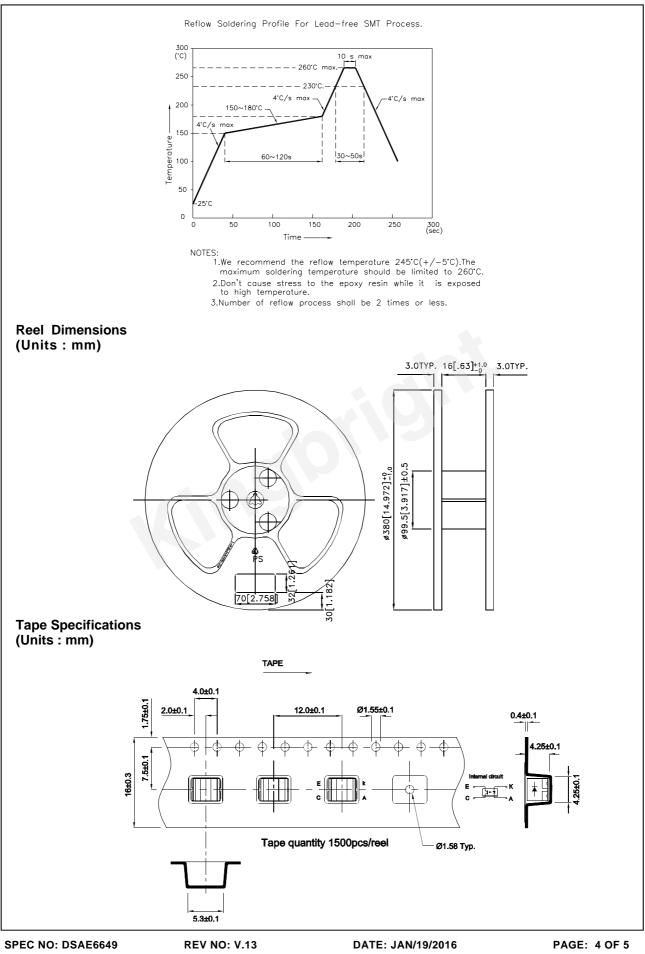
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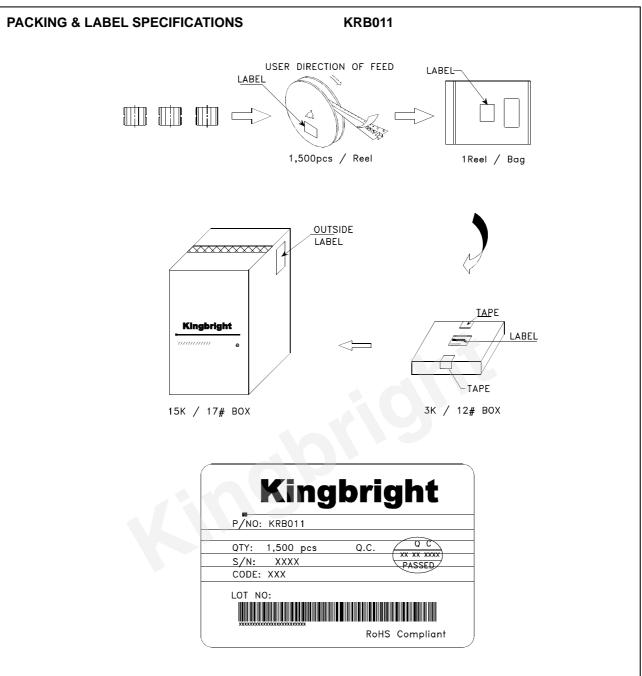


APPROVED: Wynec

CHECKED: Tracy Deng

DATE: JAN/19/2016 DRAWN: F.T.Liu PAGE: 4 OF 5 ERP:1207000001

Part Number:KRB011



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