

Part Number: KM-4457P3C

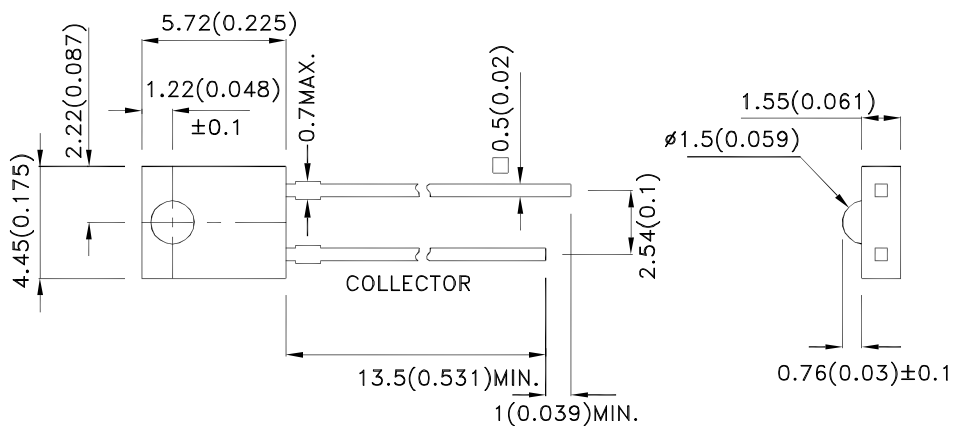
Features

- Mechanically and spectrally matched to infrared emitting LED lamp.
- RoHS compliant.

Description

Made with NPN silicon phototransistor chips.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

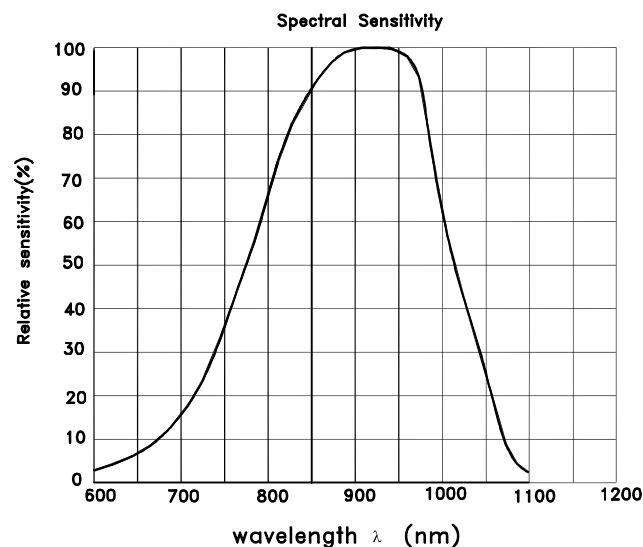


Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
V _{BR CEO}	Collector-to-Emitter Breakdown Voltage	30			V	I _C =100uA E _e =0mW/cm ²
V _{BR ECO}	Emitter-to-Collector Breakdown Voltage	5			V	I _E =100uA E _e =0mW/cm ²
V _{CE (SAT)}	Collector-to-Emitter Saturation Voltage			0.8	V	I _C =2mA E _e =20mW/cm ²
I _{CEO}	Collector Dark Current			100	nA	V _{CE} =10V E _e =0mW/cm ²
T _R	Rise Time (10% to 90%)		15		us	V _{CE} = 5V I _C =1mA R _L =1000Ω
T _F	Fall Time (90% to 10%)		15		us	
I _(ON)	On State Collector Current	0.35	0.8		mA	V _{CE} = 5V E _e =1mW/cm ² λ=940nm

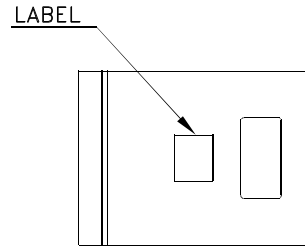
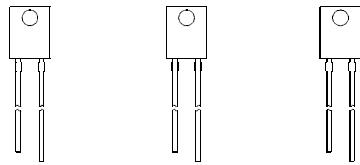
Absolute Maximum Ratings at TA=25°C

Parameter	Max.Ratings
Collector-to-Emitter Voltage	30V
Emitter-to-Collector Voltage	5V
Power Dissipation at (or below) 25°C Free Air Temperature	100mW
Operating Temperature	-40°C To +85°C
Storage Temperature	-40°C To +85°C
Lead Soldering Temperature (>5mm for 5sec)	260°C

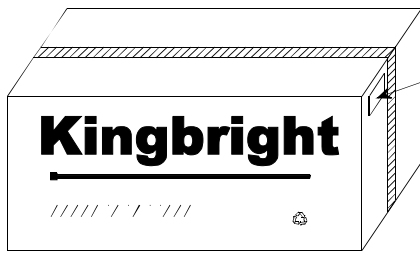


PACKING & LABEL SPECIFICATIONS

KM-4457P3C

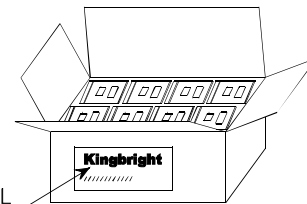


500PCS/BAG



30K/9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

15K/5# BOX

<h2 style="margin: 0;">Kingbright</h2>				
P/NO: KM-4457xxx				
QTY: 500 pcs	Q.C.			
S/N: XXXX	<table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="text-align: center;">Q C</td> </tr> <tr> <td style="text-align: center;">XX XX XXXX</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	Q C	XX XX XXXX	PASSED
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CODE: XXX				
LOT NO:				
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
RoHS Compliant				

Detailed application notes are listed on our website.
http://www.kingbright.com/application_notes

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