

Surface Mount LEDs

Order code	Manufacturer code	Description
72-8370	KM2520A01SRC003	KM2520SRC03 LED S/BRIGHT RED SMD (RC)

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The enclosed information is believed to be correct, Information may change ±without noticeqdue to	Revision A
product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	20/02/2007
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SUBMINIATURE SOLID STATE LAMP

KM2520SRC03

SUPER BRIGHT RED

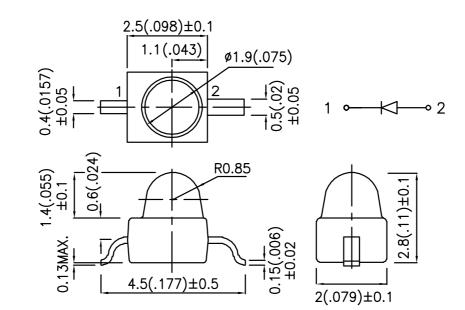
Features

- •SUBMINIA TURE PACKAGE.
- •WIDE VIEWING ANGLE.
- •GULL WING LEAD.
- •LONG LIFE SOLID STATE RELIABILITY.
- •LOW PACKAGE PROFILE.
- •PACKAGE : 1000PCS / REEL.
- •RoHS COMPLIANT.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions



Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25(0.01") unless otherwise noted.
- Lead spacing is measured where the leads emerge from the package.
 Specifications are subject to change without notice.

SPEC NO: DSAA5392 APPROVED: J. Lu

REV NO: V.6 CHECKED: Allen Liu

DATE: MAR/18/2005 DRAWN: B.H.LI

Selection Gu	ide				
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle
			Min.	Тур.	2 0 1/2
KM2520SRC03	SUPER BRIGHT RED (GaAIAs)	WATER CLEAR	110	600	20°

Note:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at TA=25°C

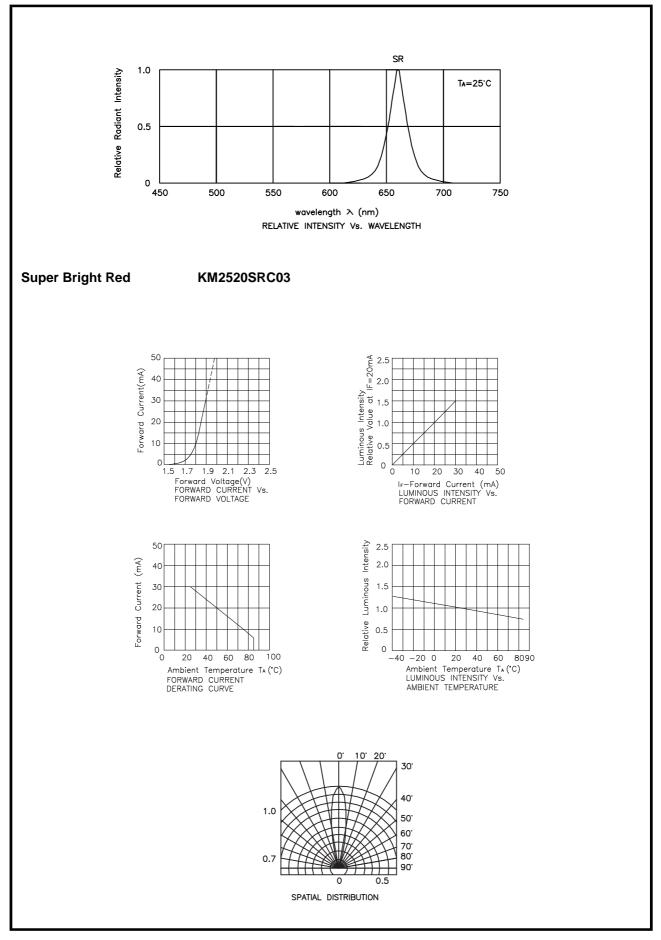
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	660		nm	IF=20mA
λD	Dominant Wavelength	Super Bright Red	640		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=20mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF	Forward Voltage	Super Bright Red	1.85	2.5	V	IF=20mA
IR	Reverse Current	Super Bright Red		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

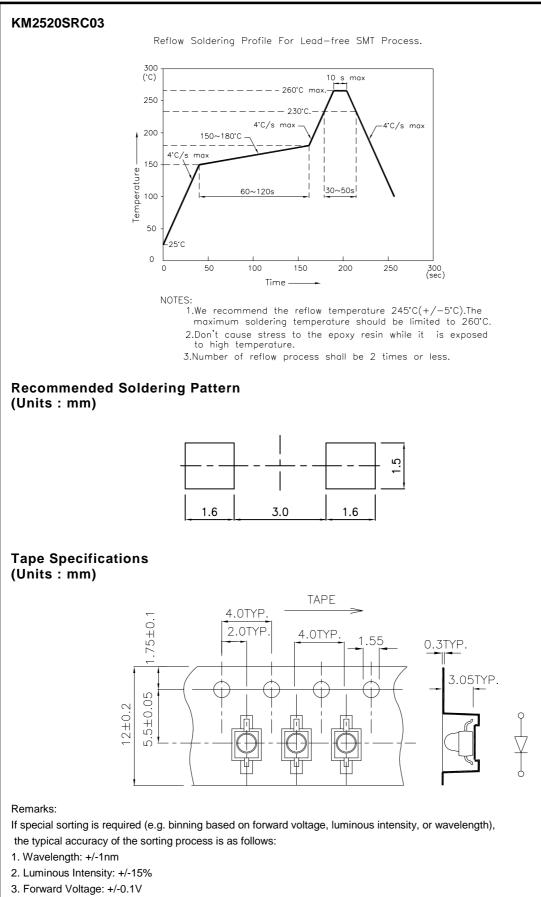
Parameter	Super Bright Red	Units
Power dissipation	100	mW
DC Forward Current	30	mA
Peak Forward Current [1]	155	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



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