

SUBMINIATURE SOLID STATE LAMP

Part Number: KM2520EH/1ID

HIGH EFFICIENCY RED

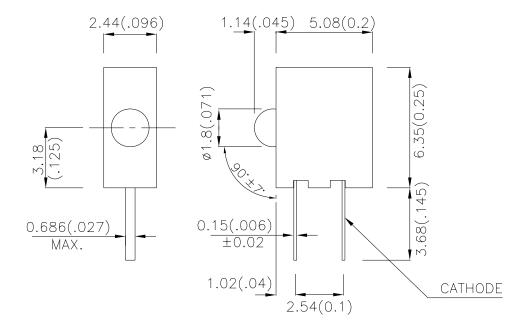
Features

- •BLACK CASE ENHANCES CONTRAST.
- •VIBRATION AND SHOCK RESISTANT.
- •UL RATING:94V-0.
- •HOUSING MATERIAL:TYPE 66 NYLON.
- •RoHS COMPLIANT.

Description

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

Package Dimensions



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





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Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA		Viewing Angle [1]
		-	Min.	Тур.	2 θ 1/2
KM2520EH/1ID	HIGH EFFICIENCY RED (GaAsP/GaP)	RED DIFFUSED	7	30	40°

Notes:

- $1.\,01/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. 2.Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Min.	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red		627		nm	IF=20mA
λD [1]	Dominant Wavelength	High Efficiency Red		625		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red		45		nm	IF=20mA
С	Capacitance	High Efficiency Red		15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red	1.6	2.0	2.5	V	IF=20mA
lr	Reverse Current	High Efficiency Red			10	uA	VR = 5V

- Wavelength: +/-1nm.
 Forward Voltage: +/-0.1V.

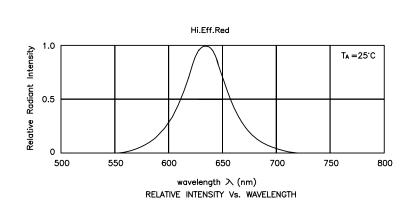
Absolute Maximum Ratings at Ta=25°C

Parameter	High Efficiency Red	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	160	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2] 260°C For 3 Seconds		
Lead Solder Temperature [3] 260°C For 5 Seconds		

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 2mm below package base.
- 3. 5mm below package base.

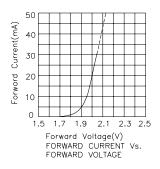
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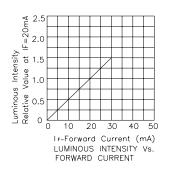
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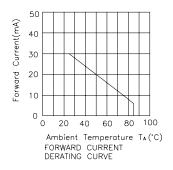


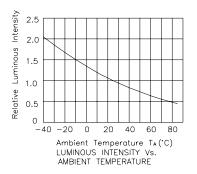
High Efficiency Red

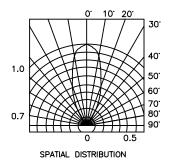
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