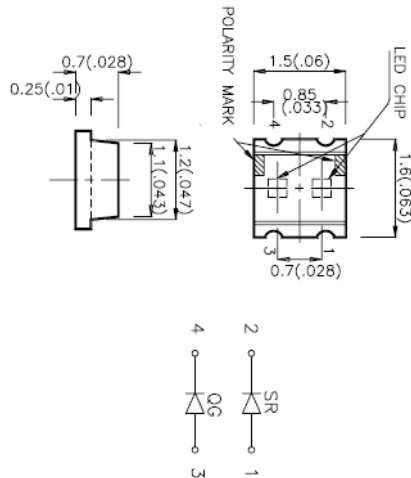


Package Dimensions

P/N: ERG59MA
1.6X1.5 mm BI-COLOR SMD CHIP LED LAMP



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
		Min.	Typ.	2 θ 1/2
SUPER BRIGHT RED (GaAlAs)	WHITE DIFFUSED	30	80	120°
GREEN (GaP)		3	12	

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Red Green	660 560		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	Super Bright Red Green	20 30		nm	I _F =20mA
C	Capacitance	Super Bright Red Green	95 45		pF	V _F =0V; f=1MHz
V _F	Forward Voltage	Super Bright Red Green	1.85 2.2	2.5 2.5	V	I _F =20mA
I _r	Reverse Current	All		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright Red	Green	Units
Power dissipation	100	105	mW
DC Forward Current	30	25	mA
Peak Forward Current [1]	150	150	mA
Reverse Voltage	5	5	V
Operating/Storage Temperature	-40°C To +85°C		

Note:

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

DATA NO: ERG59MA

REV NO :V1

DATE :11/30/2009