

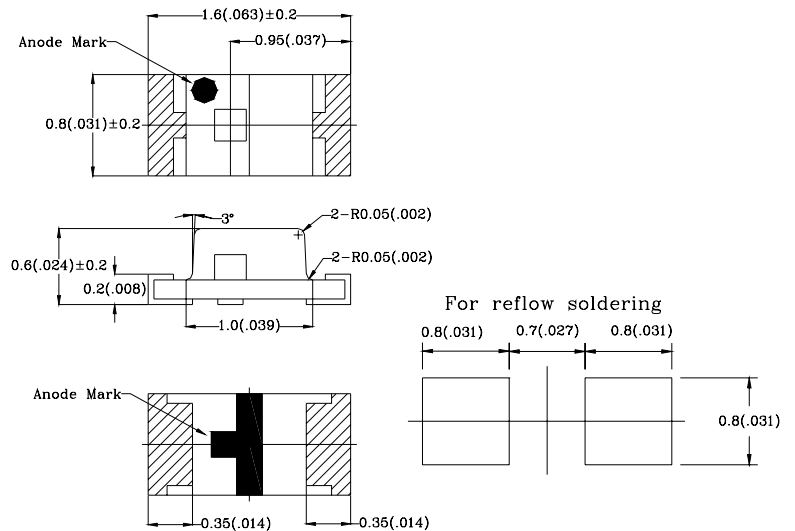
● **Features:**

1. Emitted Color : Super Red
2. Lens Appearance : White Diffused
3. Mono-color type.
4. 1.6x0.8x0.6mm(0603) standard package
5. Suitable for all SMT assembly methods.
6. Compatible with infrared and vapor phase reflow solder process.
7. Compatible with automatic placement equipment.

● **Applications:**

1. Automotive : Dashboards, stop lamps, turn signals.
2. Backlighting : LCDs, Key pads advertising.
3. Status indicators : Consumer & industrial electronics.
4. General use.

● **Package Dimensions:**



NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.10mm (0.004") unless otherwise specified.
3. Specifications are subject to change without notice.

● **Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	52	mW
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current * 1	I <sub>FP</sub>	100	mA
Reverse Volage	V <sub>R</sub>	5	V
Operating Temperature	Topr	-40°C~85°C	-
Storage Temperature	Tstg	-40°C~85°C	-
Soldering Temperature	Tsol	See Page6	-

\* 1 Condition for I<sub>FP</sub> is pulse of 1/10 duty and 0.1msec width.

● Electrical and optical characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>f</sub>	I <sub>F</sub> =20mA	-	1.8	2.6	V
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	8.2	25	-	mcd
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Peak Wave Length	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	660	-	nm
Dominant Wave Length	λ <sub>d</sub>	I <sub>F</sub> =20mA	638	-	648	nm
Spectral Line Half-width	Δλ	I <sub>F</sub> =20mA	-	20	-	nm
Veiwng Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	120	-	deg

● Typical Electro-Optical Characteristics Curves

