

# SURFACE MOUNT CHIP LED LAMPS

## Model No. LEM-51321T

**FEATURES:**

- ※ Ultra compact (3.2×1.6×1.1)
- ※ Compatible with automatic placement equipment
- ※ Compatible with reflow solder process

**APPLICATION:**

- ※ Indicators on printed circuit boards
- ※ LCD Back-lights
- ※ Illuminations
- ※ Automotive-Telecommunication

Emitted Color	Material	Wavelength (nm)	Lens Color
Yellow Green	GaP	570	Water Clear

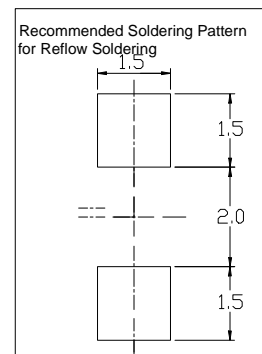
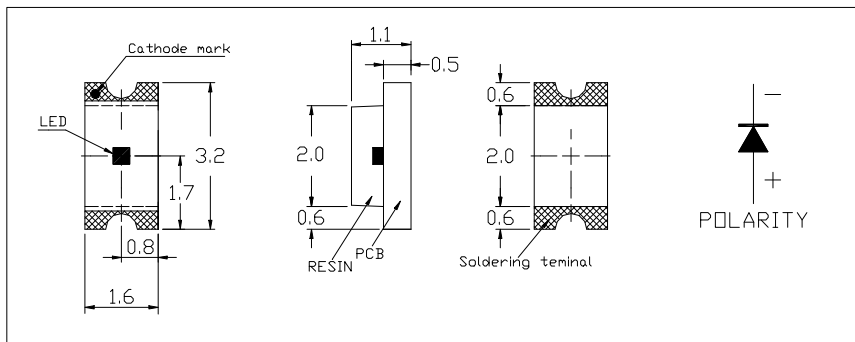
**ABSOLUTE MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power dissipation	Pm	68	mW
Forward direct current	IFm	30	mA
Peak forward current	IFp	100	mA
Reverse voltage	VRm	5	V
Operating temperature	Topr	-30 to +80	°C
Storage temperature	Tstg	-40 to +85	°C

**ELECTRO-OPTICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )**

CHARACTERISTIC	SYMBOL	CONDITION	Min.	Typ.	Max.	UNIT
Luminous intensity	Iv	IF=20mA	6.0	15		mcd
Forward voltage	VF	IF=20mA		2.3	2.7	V
Reverse current	IR	VR=5V			10	μA
Peak emission wavelength	λ P	IF=20mA		568		nm
Dominant wavelength	λ D	IF=20mA		570		nm
Viewing angle	2θ 1/2	IF=20mA		140		deg.

**PACKAGE DIMENSIONS OF DEVICE**



- Note: 1. All dimensions are in millimeters.  
 2. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise specified.