

# SURFACE MOUNT CHIP LED LAMPS

## Model No. LEM-54221T

**FEATURES:**

- ※ Ultra compact (2.0×1.25×0.8)
- ※ Auto insertable.  
Using 8 mm wide tape
- ※ Ultra low profile

**APPLICATION:**

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

Emitted Color	Material	Wavelength (nm)	Lens Color
Ultra Yellow Green	AlGaInp	574	Water Clear

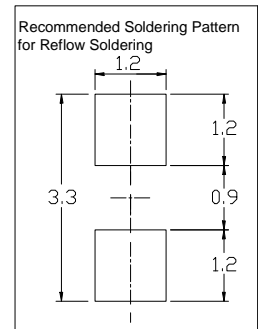
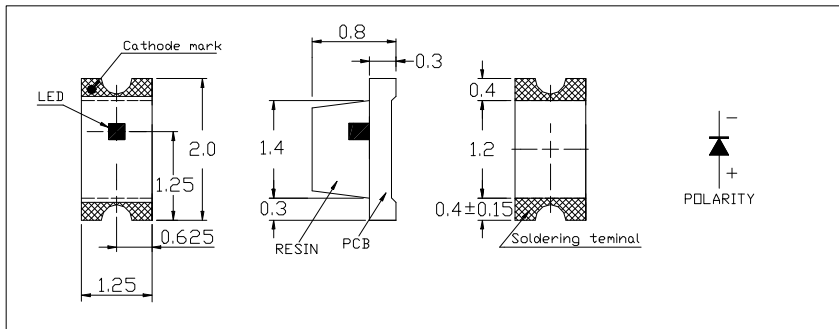
**ABSOLUTE MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power dissipation	Pm	78	mW
Forward direct current	IFm	30	mA
Peak forward current	IFp	100	mA
Reverse voltage	VRm	5	V
Operating temperature	Topr	-25 to +80	°C
Storage temperature	Tstg	-30 to +85	°C

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

CHARACTERISTIC	SYMBOL	CONDITION	Min.	Typ.	Max.	UNIT
Luminous intensity	Iv	IF=20mA	20	45		mcd
Forward voltage	VF	IF=20mA		2.2	2.7	V
Reverse current	IR	VR=5V			10	μA
Peak emission wavelength	$\lambda P$	IF=20mA		575		nm
Dominant wavelength	$\lambda D$	IF=20mA		574		nm
Viewing angle	$2\theta 1/2$	IF=20mA		130		deg.

**PACKAGE DIMENSIONS OF DEVICE**



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