

SURFACE MOUNT CHIP LED LAMPS

Model No. LEM-24221T

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 High Red | AlGaInp | 645 | Water Clear |

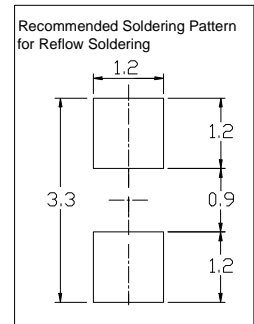
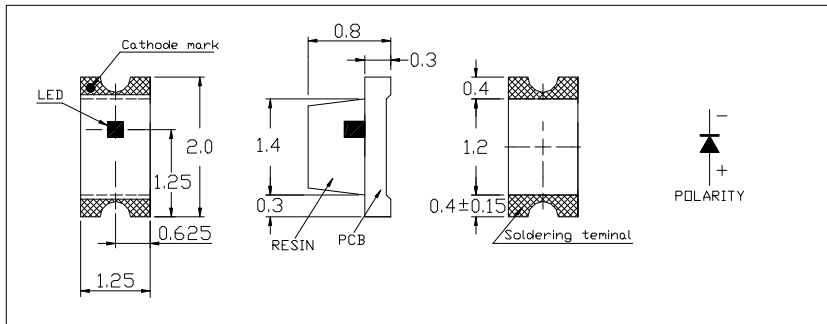
ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

| 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 | 30 | 80 | | mcd |
| Forward voltage | VF | IF=20mA | | 2.1 | 2.6 | V |
| Reverse current | IR | VR=5V | | | 10 | μA |
| Peak emission wavelength | λP | IF=20mA | | 645 | | nm |
| Dominant wavelength | λD | IF=20mA | | 631 | | 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.

