



# SML-S13RT

Actual size

 3216(1206) size  
 3.2×1.6mm (t=1.85mm)

## Features

- Surface mount Lans infrared LEDs
- Narrow directivity and high brightness
- Availability of reverse mounting

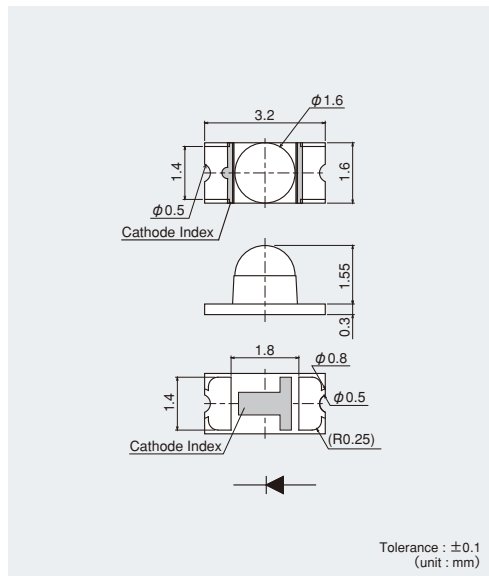
 Color Type R

## Specifications

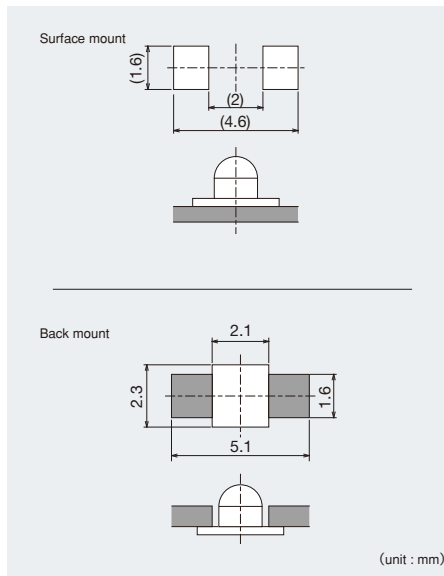
| Part No.                                                                  | LED Chip | Emitting Color | Absolute Maximum Ratings(Ta=25°C) |                        |                              |                       |                                |                              | Electrical and Optical Characteristics(Ta=25°C) |                        |                         |                      |              |         |
|---------------------------------------------------------------------------|----------|----------------|-----------------------------------|------------------------|------------------------------|-----------------------|--------------------------------|------------------------------|-------------------------------------------------|------------------------|-------------------------|----------------------|--------------|---------|
|                                                                           |          |                | Power Dissipation Pd(mW)          | Forward Current If(mA) | Peak Forward Current Ifp(mA) | Reverse Voltage VR(V) | Operating Temperature Topr(°C) | Storage Temperature Tstg(°C) | Forward Voltage VF(V)                           | Reverse Current IR(mA) | Light Wavelength λP(nm) | Radiant Intensity Ie |              |         |
| <span style="border: 1px solid black; padding: 0 2px;">R</span> SML-S13RT | AlGaAs   | Infrared LED   | 60                                | 30                     | 300*1                        | 5                     | -30 to +85                     | -30 to +100                  | Typ. (V)                                        | IF (mA)                | Max. (mA)               | VR (V)               | 850          | 20      |
|                                                                           |          |                |                                   |                        |                              |                       |                                |                              |                                                 |                        |                         | Min. (mW/sr)         | Typ. (mW/sr) | IF (mA) |
|                                                                           |          |                |                                   |                        |                              |                       |                                |                              |                                                 |                        |                         | 1.5                  | 2.8          | 20      |

※1:Duty1/10, 1kHz

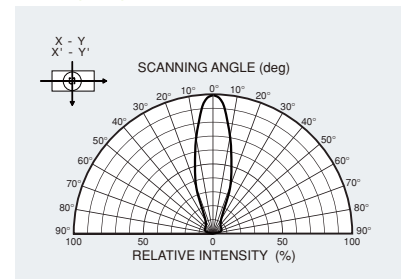
## Dimensions



## Recommended Solder Pattern

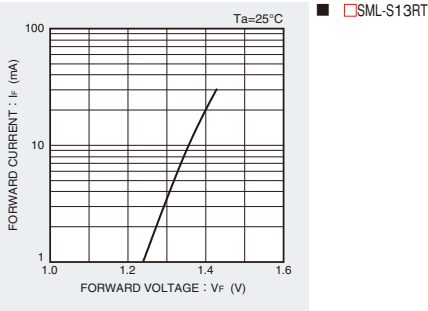


## Viewing Angle

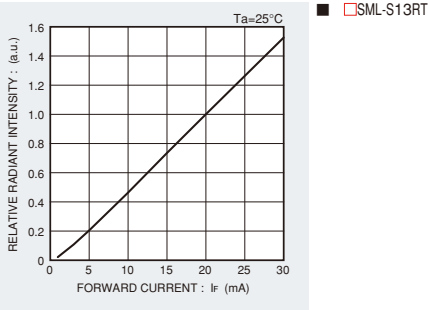


Electrical Characteristics Curves

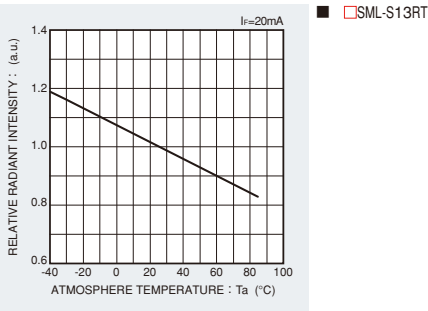
Forward Current-Forward Voltage



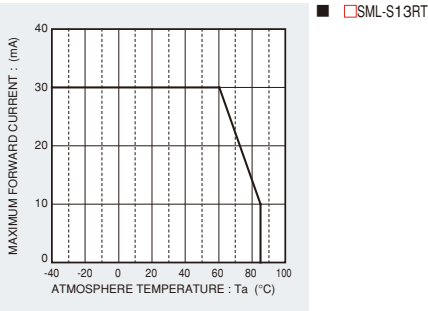
Luminous Intensity-Atmosphere Temperature



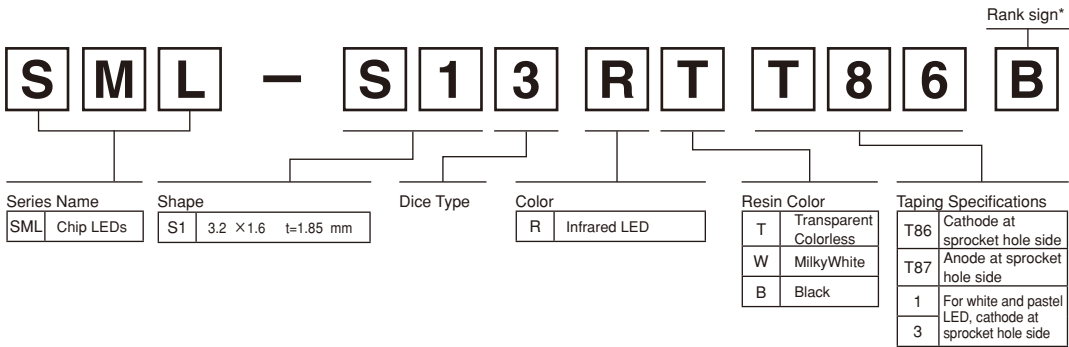
Luminous Intensity-Forward Current



Derating



Part No. Construction



- \* Concerning the Brightness rank
- Part name is individual for each rank.
- When shipped as sample, the part name will be a representative part name. General products are free of ranks. Please contact sales if rank appointment is needed.
- \* Please refer to the Specification sheet about Taping specification.

Packing Specification

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.  
Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request.  
Please contact the nearest sales office or distributor if necessary.

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