

2.0(L)×1.25(W)×1.1(H)mm

● 超小型。

● Ultra small size.

■ 用途 Applications

1. 各種光通信。

1. Optical communication

● 絶対最大定格 Absolute Maximum Rating

(Ta 25°C)

| Item | Symbol | Rating | Unit |
|------------------------------------|----------|---------|------|
| 許容損失 Power dissipation | P_d | 80 | mW |
| 順電流 Forward current | I_F | 50 | mA |
| パルス順電流 Pulse forward current | I_{FP} | 1*1 | A |
| 逆電圧 Reverse voltage | V_R | 5 | V |
| 動作温度範囲 Operating temperature range | T_{OP} | -25~+80 | °C |
| 保存温度範囲 Storage temperature range | T_{ST} | -30~+85 | °C |

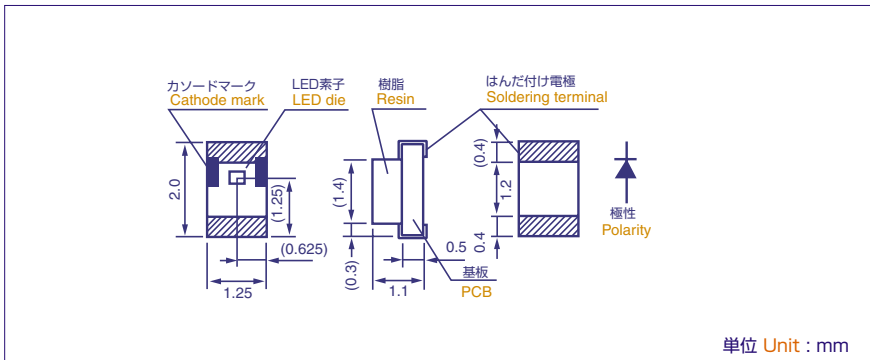
*1.Duty比 1%以下 f=1KHz Duty ratio≤1% Frequency=1KHz

● 電気的光学的特性 Electro-optical characteristics

(Ta 25°C)

| Item | Symbol | Conditions | Min | Typ | Max | Unit |
|---------------------------------------|-----------------|----------------------|------|-----|-----|---------------|
| 順電圧 Forward voltage | V_F | $I_F=20\text{mA}$ | - | 1.2 | 1.6 | V |
| 逆電流 Reverse current | I_R | $V_R=5\text{V}$ | - | - | 100 | μA |
| 端子間容量 Capacitance between terminals | C_t | $V=0\text{V}$ f=1MHz | - | 13 | - | pF |
| 応答時間 Response time | T_r, T_f | $I_F=20\text{mA}$ | - | 2 | - | μs |
| 放射強度 Radiant intensity | I_e | $I_F=20\text{mA}$ | 0.25 | 0.6 | - | mW/sr |
| ピーク発光波長 Peak wave length | λ_p | $I_F=20\text{mA}$ | - | 950 | - | nm |
| スペクトル半値幅 Spectrum width of half value | $\Delta\lambda$ | $I_F=20\text{mA}$ | - | 45 | - | nm |

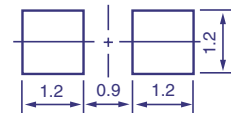
● 外形寸法図 Outline drawing



単位 Unit : mm

推奨はんだ付けパターン

The following soldering patterns are recommended for reflow-soldering:

リフローはんだ用
For reflow soldering

■ 諸特性 Characteristics

