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| Product | LED |
| Package | SMD |
| Series | SML811WBCN1W series |

1. 試験結果 (Test Result)

| 試験項目 Test Items | 参考規格 Reference STD | 試験条件 Test Condition | n (pcs) | Pn (pcs) |
|---|------------------------|--|------------|-------------|
| 半田耐熱 Solder Heat Resistance for Reflow Soldering | J-STD-020D-01 | 前処理 : 30°C/70%RH 168hr リフローピーク温度 : 260°C 10秒 230°C以上60秒 プレヒート : 140°C~180°C 60秒 リフロー回数 : 2回 Prtreatment : Temperature Humidity Strage (30°C/70%RH/168hr) Reflow Peak Temp. : 260°C 10sec Over 230°C/60sec Preheat : 140 to 180°C 60sec Repeat for 2 cycles | 22 | 0 |
| 半田付性 Solderbility | JESD22-B102E | ロジン系フラックスに5±1秒浸漬し、245±5°CのPbフリー半田槽で製品裏面を3±0.5秒浸漬 Immerse into rosin flux for 5±1sec, and the device for 3±0.5sec into Pb-free solder bath at 245±5°C | 22 | 0 |
| 落下 Free Drop | JEITA ED-4701 A-124 | 高さ: 75cm 楓板上: 3回 H=75cm Maple Boad : 3 times | 22 | 0 |
| 振動 Vibration | JEITA ED-4701 A-121 | 100~2000Hz 98.1m/s ² X,Y,Zの各方向 2時間 100~2000Hz 98.1m/s ² 2hours each on each direction of X,Y,Z | 22 | 0 |
| 温度サイクル Thermal Cycle | JESD22-A104E | Ta=Tstg Min.°C(30min.) ~ Tstg Max.°C(30min.)100cycle | 22 | 0 |
| 高温放置 High Temperature Strage | JESD22-A103E | Ta=Tstg Max.+5°C/-0°C 1000hrs | 22 | 0 |
| 高温高湿放置 High Temperature High Humidity Strage | JEITA ED-4701 B-121 | Ta=85±2°C 85±5%RH 240hrs | 22 | 0 |
| 低温放置 Low Temperature Strage | JESD22-A119A | Ta=Tstg Min.±5°C 1000hrs | 22 | 0 |
| 動作寿命 Load Life | JESD22-A108D | Ta=25±5°C IF=IF Max. 1000hrs | 22 | 0 |

2. 測定項目及び故障判定基準 (Failure Criteria)

| 測定項目 Items | 測定条件 Condition | 故障判定基準 Criteria |
|--------------------------|--------------------|---|
| 光度 Luminous Intensity | IF=2mA | 初期値の60% 60% of the initial value |
| 順方向電圧 Forward Voltage | IF=2mA | 初期値に対する変化率±10% Changing rate of ±10% |
| 逆方向電流 Reverse Current | VR=VR Max. | 規格最大値 Maximum of specification |
| 外観 Physical | 目視 Visual Check | 著しい変化のないこと No outstanding change in physical |

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| 半田付性 Solderbility | 電極部の95%以上が半田で覆われていること More than 95% of the electrode must be covered with solder. |
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※当データは、特定Lotの実力値であり保証値ではありません。
※This data is actual value from specific lot and is not guaranteed.

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