

Part Number: 5952101002F

General Description

| Series | 595 |
|---------------|--------------------------|
| Configuration | 2 mm Lens |
| Description | 2MM PRISM R SAMPLE STRIP |
| Sizes | 2mm |
| Lamp Type | Single Color |

Operating Characteristics

Color

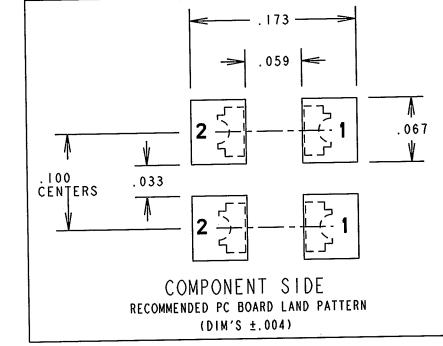
Red



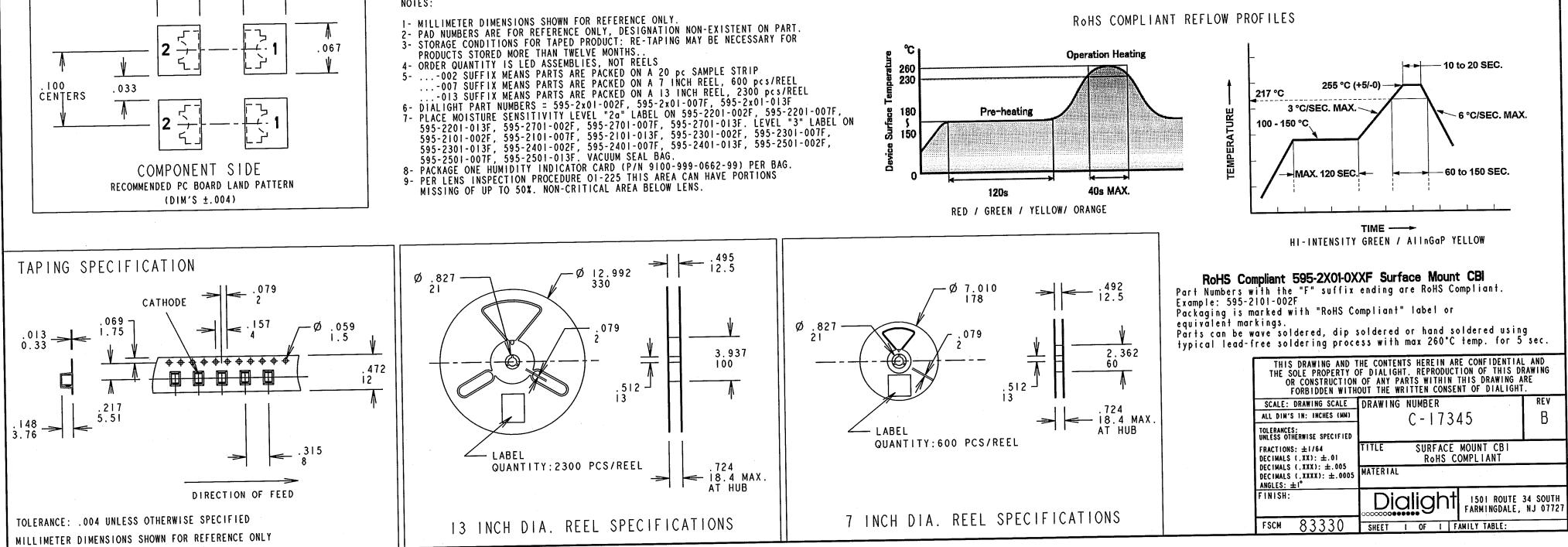


This is a RoHS Compliant Product To learn more click here

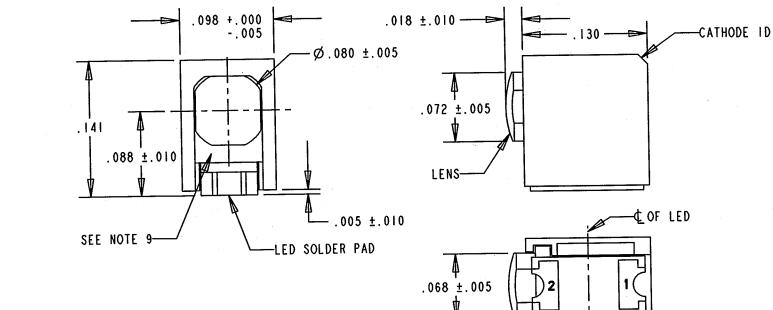
| | | | OPERATING CH | ARACTERISTI | CS AT 25 | °C AMBIE | NT | | | | | OPERATING CHA | MIN | | | IINITS IT | TEST CON | NDITIC |
|---------------|----------------|--------------------|---------------------|----------------------------|---------------------------------------|-----------|----------|--|-----------------------|---------------|--|---------------------------------|---------------------------------------|---------------------------------------|------------|---------------|-----------------|--------------|
| PART NUMBER | LED COLOR | CHARACTERISTICS | ULLATING ON | MIN | ТҮР | MAX | UNITS | TEST CON | DITIONS | | CTERISTICS | HI.INT. GREEN | | 8.5 | | | | |
| 95-2101-002F | | Chanacteriorites | RED | | 25.0 | | | | | LUMINO | US INTENSITY | AlinGaP YELLO | | 41.0 | | mc d | F = | 10 mA |
| 595-2101-007F | RED | LUMINOUS INTENSITY | GREEN | | 9.0 | | - mcd | F = 2 | = 20 mA | | FORWARD VOLTAGE | | | 2.2 | 2.6 | V | F = | 20 mA |
| 595-2101-013F | | | YELLOW ORANGE | | 9.0 | | | | | | | AlinGaP YELLO HI, INT. GREEN | | 2.02 | 2.4 | | <u></u> | |
| 95-2201-002F | | | RED | | 1.7 | 2.0 | | | | REVER | RSE CURRENT | AlinGaP YELLO | | | 100 | μA | Vr = | = 5 V |
| 95-2201-007F | · · · | FORWARD VOLTAGE | GREEN | | 2.1 | 2.5 | v | r = 1 | = 20 mA | HI | HI.INT. GREEN | | 566 | | nm | | | |
| | | | YELLOW ORANGE | | | | | PEAK | WAVELENGTH | AlinGaP YELLO | Ŵ | 592 | | | | | | |
| 95-2201-013F | | | RED | 4 | | | | | | | | | | | | | | |
| 95-2301-002F | F GREEN | REVERSE VOLTAGE | GREEN | 4 | | · · · · · | v | R = | | | ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT POWER DISSIPATION | | | | DEEN | | | UNIT |
| 95-2301-007F | | | YELLOW | 4 | | | -1 | | | | | | | HI.INT. GREEN 65 Alingap Yellow 81 | | | | m₩ |
| 95-2301-013F | | | ORANGE RED | 4 | 660 | | | | | | | | | HI.INT. G | | 0.75 | | mA/* |
| 595-2401-002F | | | GREEN | | 560 | | - nm | | | DERATE | LINEARLY FROM | 175°C (* FRO | 4 55°C) | AllnGaP Y | ELLOW | 0.58 | • | ma / |
| 95-2401-007F | YELLOW | PEAK WAVELENGTH | YELLOW | | 580 | | - | | CONTIN | | CONTINUOUS FORWARD CURRENT | | HI.INT. GREEN 25 Alingap Yellow 30 | | | | mA | |
| 95-2401-013F | | | ORANGE | | 605 | | | | <u> </u> | | | | | AlinGaP Y ALL | | 30 - 30 TO | 85 | •0 |
| 595-2501-002F | | | | | | | | | | | ING TEMPERATURE | | | ALL | | -40 TO | | •0 |
| 595-2501-007F | ORANGE | | | | | | | | | 510110 | | | | | | | | |
| 595-2501-013F | - | | | | | | | | | | | | | | | 1 | | ı |
| 595-2701-002F | | | | ABSOLUTE M | AXIMUM R | ATINGS A | T 25°C / | AMBIENT | | | | UNITS | | | | .09 | 98 +.000 005 | 2 |
| 595-2701-007F | AlinGaP YELLOW | | | POWER DISSIPATION | | | | | RED | | 60 | | | 003 | | | | |
| 595-2701-013F | | | | | | | | | GREEN | | 75 | mW | | | | | | |
| 393-2701 0131 | | | | | | | | YELLOW | | 75 | | | | | | | 1 | |
| | | | | | | | | | ORANGE | | 75 | | | . 1 | | - + 1 - | · | † † - |
| | | | | DERATE LIN | FARLY FR | OM 25°C | | | RED, GRN, | YEL | 0.42 | mA/°C | | | | | | 11 |
| | | | | CONTINUOUS FORWARD CURRENT | | | | RED, GRN, YEL, ORANGE RED, GRN, YEL, ORANGE | | 30 | mA | | | .088 ±. | 010 | | r | |
| | | | | DEAK EORWARD CURRENT | | | 70 | | | mA | | _ | <u> </u> | <u> </u> | | <u> </u> | | |
| | PAD 2 G | | | | (I/IO DUTY CYCLE, O.I ms PULSE WIDTH) | | | | | | -30 TO +85 | | | | · | /- | A | |
| | ANODE | CATHODE | | OPERATING TEMPERATURE | | | | | RED, GRN, YEL, ORANGE | | | <u></u> | | SI | EE NOTE 9- | /_ | | · · |
| | LED SCHE | MATIC | | STORAGE TEMPERATURE | | | | RED, GRN, | | -30 TO 80 | | | • | | | | LE | |
| | | | SIOKAGE IEMPERATORE | | | | | ORANGE | : | -40 TO +100 | 0 °C | l | | | | | | |



NOTES:



| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|---|-----|------|-----|---------|
| A | | NEW RELEASE | TWC | N.O. | MES | 1-12-06 |
| B | | MSL "3" WAS "4" IN NOTE 7, ADDED P/N'S 595-2201-002F, 595-2701-002F TO MSL "2a" IN NOTE 7, ADDED P/N'S 595-2101-002F, 595-2301-002F, 595 -2401-002F, AND 595-2501-002F TO MSL "3" IN NOTE 7, REMOVED REFLOW SOLDERING SPECS FROM ABSOLUTE MAXIMUM RATINGS. | KLJ | 7,0, | K | 4/15/08 |



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ROHS COMPLIANT REFLOW PROFILES