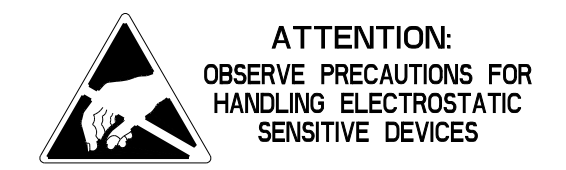


- NOTES:
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON EXISTENT ON PART.
 - LABELING FOR REEL AND OUTSIDE OF ALUMINUM BAG, DIALIGHT P/N QUANTITY PER REEL, DATE CODE, INTENSITY BIN CODE, LOT NUMBER AND COUNTRY OF ORIGIN.
 - STORAGE CONDITIONS FOR TAPED PRODUCTS: RE-TAPING MAY BE NECESSARY FOR PRODUCTS STORED MORE THAN 12 MONTHS.
 - DRY PACK PACKAGING CONSIST OF A DESICCANT, HUMIDITY INDICATOR CARD IN A VACUUM SEALED MOISTER BARRIERBAG, MOISTER SENSITIVITY LABEL LEVEL 5A ON OUTSIDE BAG.
 - QUANTITY: 2,500 PIECES PER REEL/BAG.
 - HBM CLASS 1B
 - OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.
 - PART No: 598-8F10-313F

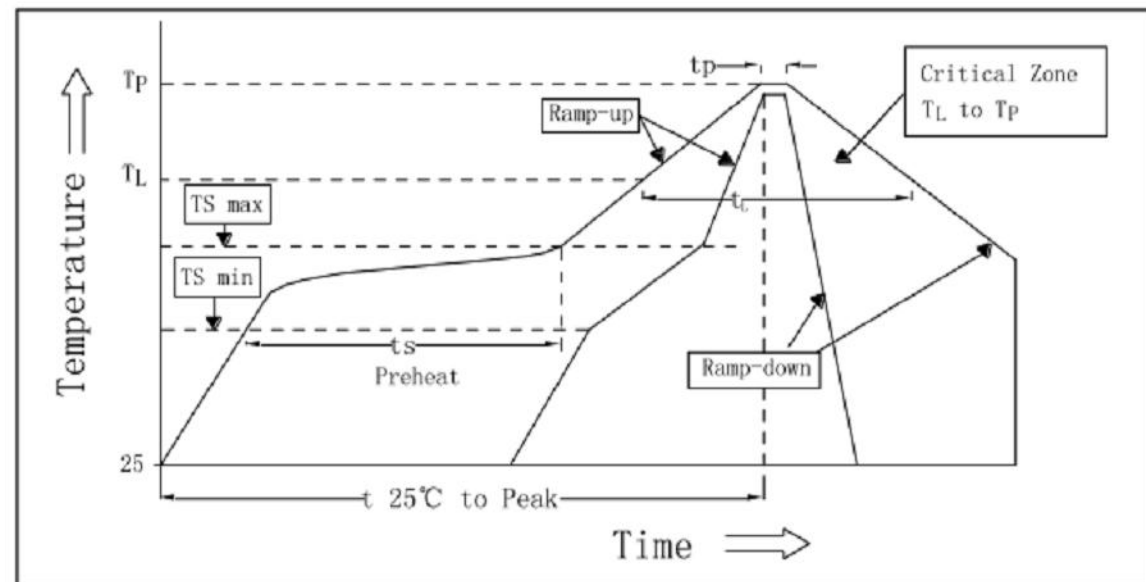
| ITEM | SYMBOL | CONDITION | R | G | B | UNITS |
|------------------------------|------------------|------------|---------|---------|---------|---------|
| REVERSE CURRENT | I_R | $V_R=5V$ | 6 | 6 | 6 | μA |
| FORWARD VOLTAGE | $V_{F(min)}$ | $I_F=20mA$ | | | | V |
| | $V_{F(avg)}$ | | 2.1 | 3.0 | 3.0 | V |
| | $V_{F(max)}$ | | 2.4 | 3.6 | 3.6 | V |
| DOMINANT WAVELENGTH | λ_D | $I_F=20mA$ | 618~628 | 518~528 | 464~474 | nm |
| SPECTRUM RADIATION BANDWIDTH | $\Delta \lambda$ | $I_F=20mA$ | 24 | 38 | 30 | nm |
| LUMINOUS INTENSITY | $I_V(min)$ | $I_F=20mA$ | 550 | 1600 | 300 | mc d |
| | $I_V(avg)$ | | 760 | 1900 | 450 | mc d |
| VIEWING ANGLE | 201/2 | $I_F=20mA$ | 120 | | | deg |

| ITEM | SYMBOL | ABSOLUTE MAXIMUM RATING | | | UNITS |
|-------------------------------|-----------|-------------------------|-----|-----|-------|
| | | R | G | B | |
| FORWARD CURRENT | I_F | 25 | 25 | 25 | mA |
| PULSE FORWARD CURRENT | I_{FP} | 100 | 100 | 100 | mA |
| REVERSE VOLTAGE | V_R | 5 | 5 | 5 | V |
| OPERATING TEMPERATURE | T_{OPR} | -30~+85 | | | °C |
| STORAGE TEMPERATURE | T_{STG} | -40~+100 | | | °C |
| POWER DISSIPATION | P_D | 60 | 90 | 90 | mW |
| ELECTROSTATIC DISCHARGE (HBM) | ESD | 1000V | | | |



| | | |
|---|--|-----|
| THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP. | | |
| DIALIGHT CORP INTERNAL REFERENCE ONLY - 3D MODEL : 4500521857223-A.2 | | |
| SCALE: 15.000 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-18480 | A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE | |
| FRACTIONS: ±1/64 | SM 3735 RGB W/6 LEADS | |
| DECIMALS (.XX): ±.01 | MATERIAL | |
| DECIMALS (.XXX): ±.005 | | |
| DECIMALS (.XXXX): ±.0005 | | |
| ANGLES: ±1° | | |
| FINISH | Dialight | |
| FSCM 83330 | 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com | |
| SHEET 1 OF 2 | FAMILY TABLE: | |

SMT REFLOW SOLDERING INSTRUCTIONS

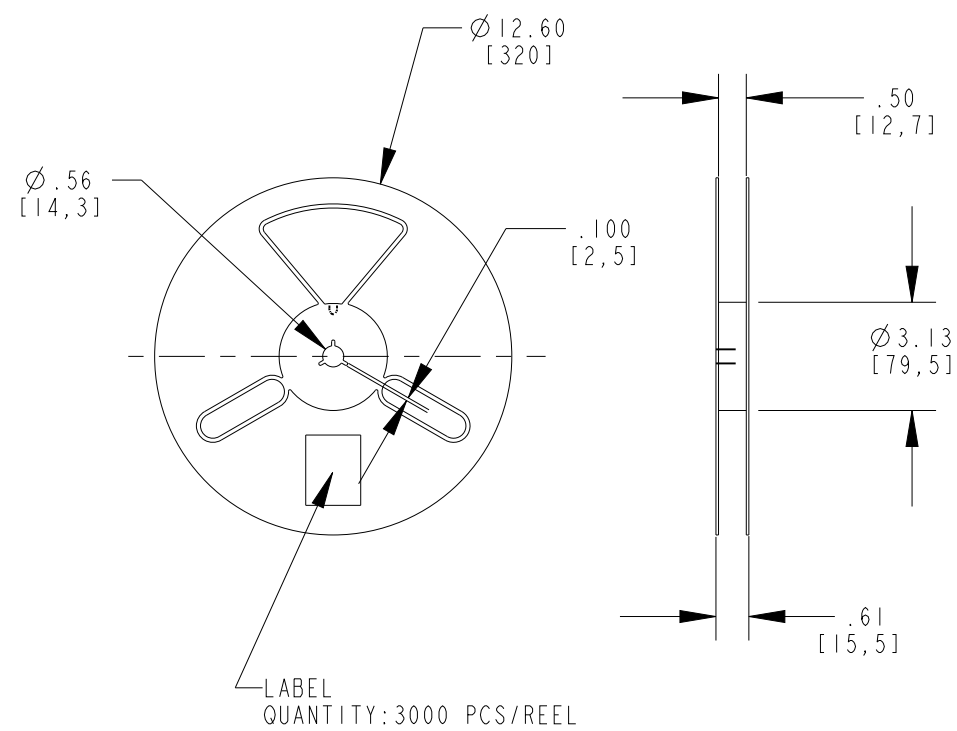


| | |
|--|-----------|
| AVERAGE TEMPERATURE RISE SPEED ($T_{S\ max}$ to T_p) | MAX 4°C/s |
| PREHEATING: MINIMUM TEMPERATURE ($T_{S\ min}$) | 150°C |
| PREHEATING: MAX. TEMPERATURE ($T_{S\ max}$) | 200°C |
| PREHEATING: TIME ($T_{S\ min}$ to $T_{S\ max}$) | 60s-120s |
| TIME LIMITED TO MAINTAIN HIGH TEMPERATURE: THE TEMPERATURE | 217°C |
| TIME LIMITED TO MAINTAIN HIGH TEMPERATURE: THE TIME | MAX 60s |
| PEAK/CLASSIFICATION OF TEMPERATURE: (T_p) | 250°C |
| SOLDERING TIME: | MAX 10s |
| RAMP-DOWN RATE: | 6°C/s max |

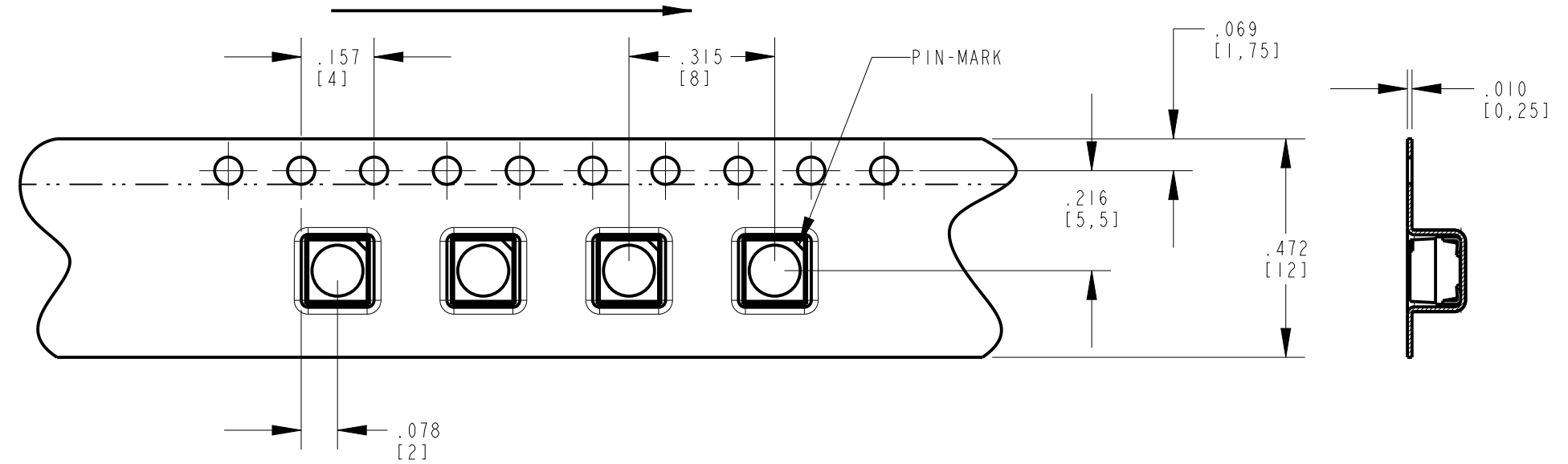
SOLDERING NOTES:

1. REFLOW SOLDERING SHOULD NOT BE DONE MORE THAN ONE TIMES.
2. IT IS RECOMMENDED THE USE OF MIDDLE TEMPERATURE SOLDER PASTE.
3. STRESS ON THE LEDS SHOULD BE AVOIDED DURING HEATING IN SOLDERING PROCESS.
4. AFTER SOLDERING, DO NOT DEAL WITH THE PRODUCT BEFORE TEMPERATURE IS DOWN TO ROOM TEMPERATURE.

13 INCH DIA. REEL SPECIFICATIONS



CARRIER TAPE - FEEDING DIRECTION



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

| | | |
|---|--------------------------------|-----|
| THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT CORP. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT CORP. | | |
| DIALIGHT CORP. INTERNAL REFERENCE ONLY - 3D MODEL : 4500521857223-SOLDER-PAD-A-2 | | |
| SCALE: 15.000 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-18480 | A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE SM 3735 RGB W/6 LEADS | |
| FRACTIONS: $\pm 1/64$ | MATERIAL | |
| DECIMALS (.XX): $\pm .01$ | FINISH | |
| DECIMALS (.XXX): $\pm .005$ | FSCM 83330 | |
| DECIMALS (.XXXX): $\pm .0005$ | SHEET 2 OF 2 | |
| ANGLES: $\pm 1^\circ$ | FAMILY TABLE: | |
| 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com | | |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Cylindrical Battery Contacts, Clips, Holders & Springs](#) category:

Click to view products by [Dialight](#) manufacturer:

Other Similar products are found below :

[753-00001](#) [12BH36A-GR](#) [200](#) [183](#) [270](#) [QX3506](#) [5220](#) [5230](#) [1055](#) [1088](#) [5250](#) [166](#) [591](#) [1044](#) [KT0008](#) [1119](#) [5207](#) [1121](#) [246](#)

[4027003022001-PK](#) [1012](#) [1020](#) [1024](#) [1024C](#) [1075](#) [1077](#) [1080](#) [1088](#) [1090](#) [1096](#) [1097](#) [1098](#) [1109](#) [1126](#) [1127](#) [1128](#) [1162](#) [1173](#) [147](#) [148](#)

[150](#) [151](#) [152](#) [153](#) [154](#) [155](#) [169](#) [171](#) [175](#) [176](#)