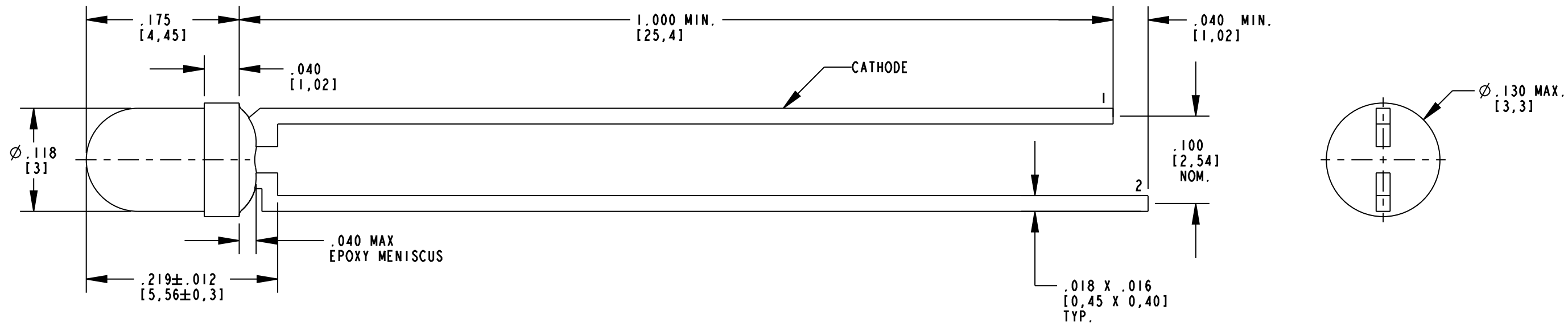


| DIALIGHT P/N | LED COLOR | LENS COLOR |
|--------------|-----------|-----------------|
| 521-9215F | RED | TINTED DIFFUSED |
| 521-9322F | YELLOW | TINTED DIFFUSED |
| 521-9323F | GREEN | TINTED DIFFUSED |

RoHS COMPLIANT 521-9XXXF

Part Numbers with the "F" suffix ending are RoHS Compliant.
 Example: 521-9215F
 Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|-----|-----|---------|
| A | | NEW RELEASE | AJF | KLJ | NO | 6-16-10 |



| OPERATING CHARACTERISTICS AT 25°C AMBIENT | | | | | | |
|---|-----------|------|------|------|--------|----------------------|
| LED CHARACTERISTICS | LED COLOR | MIN. | TYP. | MAX. | UNITS | TEST CONDITIONS |
| LUMINOUS INTENSITY | RED | 8.7 | 29.0 | | mcd | V _f = 5 V |
| | GREEN | 5.6 | 19.0 | | | |
| | YELLOW | 3.7 | 12.6 | | | |
| PEAK WAVELENGTH | RED | | 635 | | nm | |
| | GREEN | | 565 | | | |
| | YELLOW | | 585 | | | |
| DOMINANT WAVELENGTH | RED | 615 | 625 | 632 | nm | |
| | GREEN | 564 | 565 | 573 | | |
| | YELLOW | 584 | 590 | 595 | | |
| FORWARD CURRENT | RED | | 10.0 | 20.0 | V | V _f = 5 V |
| | GREEN | | 10.0 | 20.0 | | |
| | YELLOW | | 10.0 | 20.0 | | |
| REVERSE CURRENT | ALL | | | 100 | μA | V _r = 5 V |
| VIEWING ANGLE | ALL | | 60 | | DEGREE | |

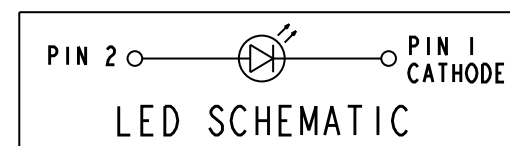
NOTES:

- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- DIALIGHT PART NUMBERS: 521-9215F, 521-9322F & 521-9323F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

| ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT | LED COLOR | | | UNITS |
|---|-------------|-------|--------|-------|
| | RED | GREEN | YELLOW | |
| CONTINUOUS FORWARD VOLTAGE | 7.5 | | | V |
| LINEAR DERATING FROM 50°C | 0.086 | | | V/°C |
| REVERSE VOLTAGE | 5 | | | V |
| LEAD SOLDERING TEMPERATURE (.063" [1.6mm] FROM BODY) FOR 5 SEC. | 260 | | | °C |
| OPERATING TEMPERATURE | -40 TO +85 | | | °C |
| STORAGE TEMPERATURE | -55 TO +100 | | | °C |



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



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| | | |
|--|--|---------------|
| SCALE: 8.000 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-17849 | A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE Ø3mm LED INTEGRAL RESISTOR 5V | |
| FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.010 | MATERIAL | |
| ANGLES: ±1° | Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 | |
| FINISH: | FSCM 83330 | |
| SHEET 1 OF 1 | | FAMILY TABLE: |

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