

| DIALIGHT PART NUMBER | LED COLOR |
|----------------------|----------------------------|
| 521-9181F | RED TINTED DIFFUSED |
| 521-9201F | GREEN TINTED NON-DIFFUSED |
| 521-9208F | YELLOW TINTED NON-DIFFUSED |

| REV | ECN NO | REVISIONS | DRN | CKD | APP | DATE |
|-----|--------|-------------|-----|------|-----|---------|
| A | — | NEW RELEASE | KLJ | n.s. | 1/8 | 3/23/19 |

RoHS COMPLIANT 521-9181F, -9201F, -9208F

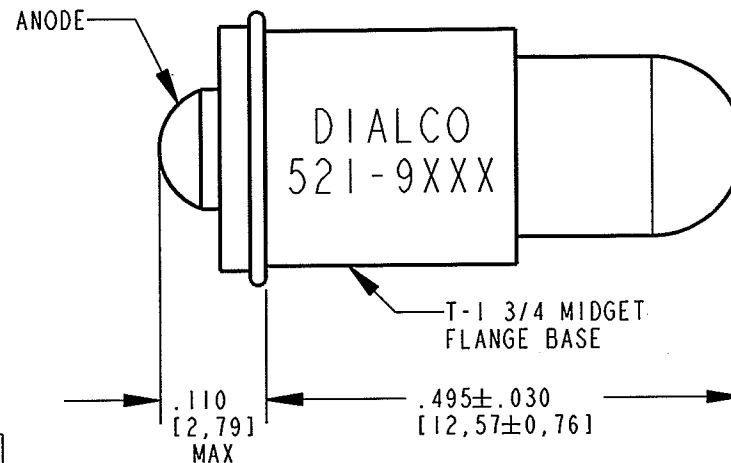
Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

NOTES:

- ALL UNITS PRINTED WITH "DIALCO" AND PART NUMBER.
- PARTS PACKAGED 5 PCS PER ANTI-STATIC BAG WITH LABEL INCLUDING "DIALIGHT", DIALIGHT P/N, QTY, AND DATE CODE.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



SCALE 1.000

OPERATING CHARACTERISTICS AT 25°C AMBIENT

| LED COLOR | PEAK WAVELENGTH (nm) | DOMINANT WAVELENGTH (nm) | VIEWING ANGLE (DEG) | LUMINOUS INTENSITY (mcd) @ I _F =10mA | | FORWARD VOLTAGE (V) @ I _F =20mA | | REVERSE CURRENT (μA) @ V _R =5V |
|-----------|----------------------|--------------------------|---------------------|---|-----|--|-----|---|
| | TYP | TYP | | TYP | MIN | TYP | TYP | MAX |
| RED | 635 | 623 | 60 | 19 | 60 | 2.0 | 2.6 | 100 |
| GREEN | 565 | 569 | 30 | 19 | 60 | 2.1 | 2.6 | 100 |
| YELLOW | 585 | 588 | 30 | 19 | 60 | 2.1 | 2.6 | 100 |

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

| CHARACTERISTIC | LED COLOR | | | UNITS |
|--|-------------|-------|--------|-------|
| | RED | GREEN | YELLOW | |
| POWER DISSIPATION | 100 | 100 | 60 | mW |
| CONTINUOUS FORWARD CURRENT | 30 | 30 | 20 | mA |
| PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) | 120 | 120 | 80 | mA |
| DERATING LINEAR FROM 50°C | 0.4 | 0.4 | 0.25 | mA/°C |
| REVERSE VOLTAGE | 5 | 5 | 5 | V |
| SOLDERING TEMPERATURE (.063 FROM BODY FOR 5 SEC) | 260 | | | °C |
| OPERATING TEMPERATURE | -55 TO +100 | | | °C |
| STORAGE TEMPERATURE | -55 TO +100 | | | °C |

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.

| | | |
|--|---|--|
| SCALE: 5.000 | DRAWING NUMBER | REV |
| ALL DIM'S IN: INCHES (MM) | C-17719 | A |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED | TITLE T-1 3/4 MIDGET FLANGE LED RoHS COMPLIANT | |
| FRACTIONS: ±1/64 | MATERIAL | |
| DECIMALS (.XX): ±.01 | - | |
| DECIMALS (.XXX): ±.005 | - | |
| ANGLES: ±1° | - | |
| FINISH: | - | |
| FSCM 83330 | Dialight | 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 |
| | SHEET 1 OF 1 | FAMILY TABLE: |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Dialight:](#)

[521-9181F](#)