



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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| 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

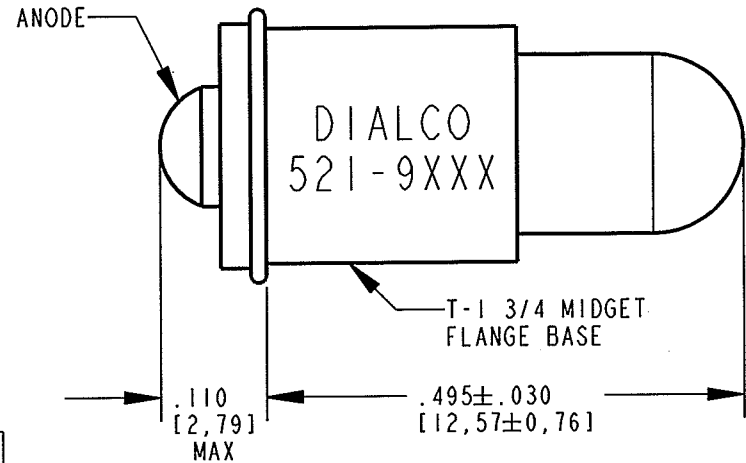
Part Numbers with the "F" suffix ending are RoHS Compliant. Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

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 | 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 |

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| | | |
|--|---|--|
| 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: |