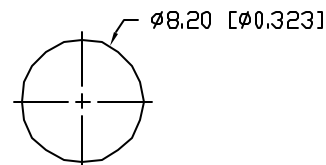


PANEL CUTOUT



NOTES:

1. SSL-LX5099IYW, RED/YELLOW LED.
2. SSI-LXR4815, CHROME HOUSING.
3. SSH-LXH4815BSG-3, BLACK NYLON BUSHING.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------------|-----|----------------------|---------|----------------|-----------------------------|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE (R/Y) | | 2.0/2.1 | 2.5/2.5 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100 μ A |
| AXIAL INTENSITY (R/Y) | | 55/40 | | mcd | I _f =20mA |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | | RED/YELLOW | | | |
| EPOXY LENS FINISH: | | MILKY WHITE DIFFUSED | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | | 30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | | -40 TO +85 | °C |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

* $t < 10\mu\text{s}$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=^{+DECIMAL PRECISION}-0.00 MAX.=^{+0.00}-DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR4815IYW-3

T-5mm RED/YELLOW PANEL INDICATOR LED,
MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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PAGE: 1 OF 1

SCALE: N/A