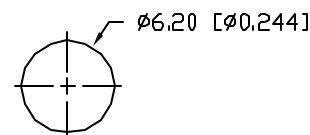


PANEL CUTOUT

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

| PARAMETER          | MIN          | TYP | MAX | UNITS                 | TEST COND            |
|--------------------|--------------|-----|-----|-----------------------|----------------------|
| PEAK WAVELENGTH    |              | 636 |     | nm                    |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | $V_f$                 |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$                 | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 100 |     | med                   | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | $2\times\text{theta}$ |                      |
| EMITTED COLOR:     | RED          |     |     |                       |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |                       |                      |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT                   | 30         | mA                     |
| POWER DISSIPATION                | 100        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.6       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$     |

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

## NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054SID, RED LED. TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: 26 AWG, STRANDED, RED INSULATION.  
CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: 26 AWG, STRANDED, BLACK INSULATION.  
CUT 157mm LONG, STRIP END 2mm & 9.5mm.

UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

SSI-LXR1612SID-150

T-3mm (T-1) 636nm AlInGaP RED LED PANEL INDICATOR,  
RED DIFFUSED LENS, 6" WIRE LEADS.

## 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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SCALE: N/A