



PANEL CUTOUT: 8.05mm.  
PANEL THICKNESS: 0.6~2.6mm.

PART NUMBER	SSI-LXR5020ID-12V	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
09.14.92	ADDED NOTE #3.		A
05.16.95	SUBTRACTED NOTE #3.		B
06.10.99	E.C.N. #10BRDR. & REDRAWN.		C
08.14.01	E.C.N. #10BRDR. & REDRAWN.		D
01.24.13	E.C.N. #10BRDR. & REDRAWN.		E

A

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $V_f=12\text{V}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		12.0	14.0	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$V_f=12\text{V}$
VIEWING ANGLE		60		$2\times$ theta	
EMITTED COLOR:	RED				
LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	11	mA
POWER DISSIPATION	310	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

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

NOTES:

1. SSL-LX5093ID-12V LED.
2. SSH-RTF5020HOLDER.

CAUTION: PRESSURE SENSITIVE ASSEMBLY  
AVOID APPLYING PRESSURE TO LED  
DURING PANEL ASSEMBLY.

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

UNCONTROLLED DOCUMENT

T-5mm (T-1 3/4) ROUND LED PANEL INDICATOR, 635nm RED LED, RED DIFFUSED LENS, 12 VOLTS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	01.24.13	DRAWN BY:	MA
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

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