

UNCONTROLLED DOCUMENT

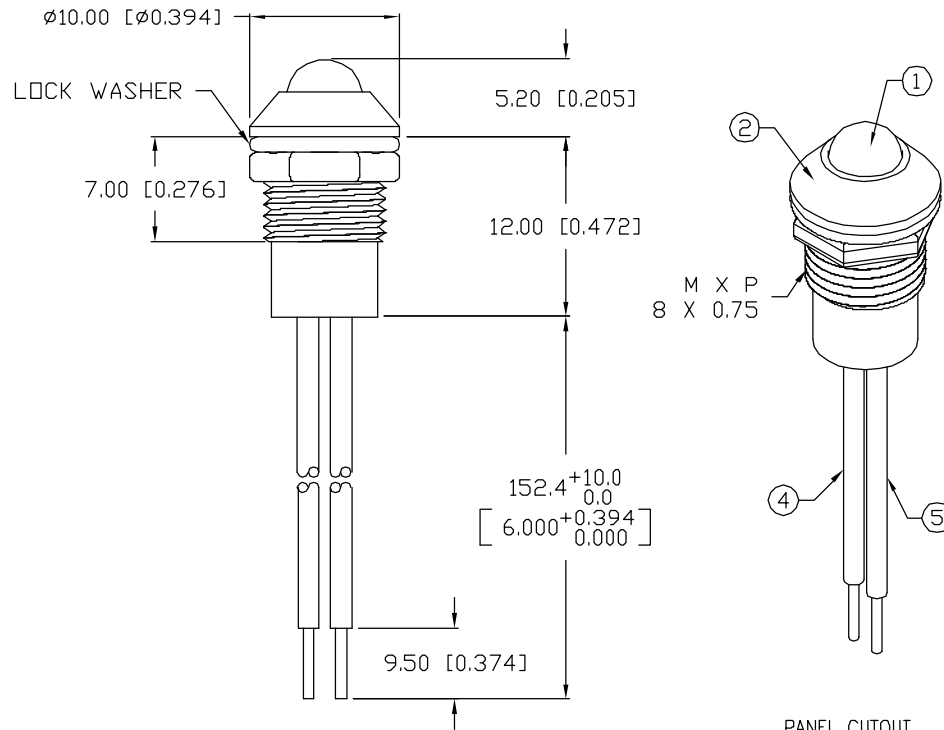
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PART NUMBER

REV.

SSI-LXR3816SRD5VB1

PRELIMINARY IN P/N DIR.



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$					$V_f=5\text{ V}$	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH		660		nm		
FORWARD VOLTAGE		5.0	7.0	V_f		
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$	
AXIAL INTENSITY		80		mcd	$V_f=5\text{ V}$	
VIEWING ANGLE		60		2x theta		
EMITTED COLOR:	RED					
EPOXY LENS FINISH:	RED DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7.0	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	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

NOTES:

1. SSL-LX5093SRD-5V, RED LED. TRIM LEADS TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4815BSG, BUSHING (NOT SHOWN). INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST24RDTOC, 24 AWG., TINNED OVERCOAT, RED INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG., TINNED OVERCOAT, BLACK INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
6. CRIMP WIRES TO LED LEADS.

*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 MAX= +0.00 -DECIMAL PRECISION

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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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T-5mm 660nm SUPER RED LED PANEL INDICATOR,
RED DIFFUSED LENS, 6.0" WIRE LEADS, 5V OPERATION.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 2.26.03
CT			PAGE: 1 OF 1
			SCALE: N/A

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