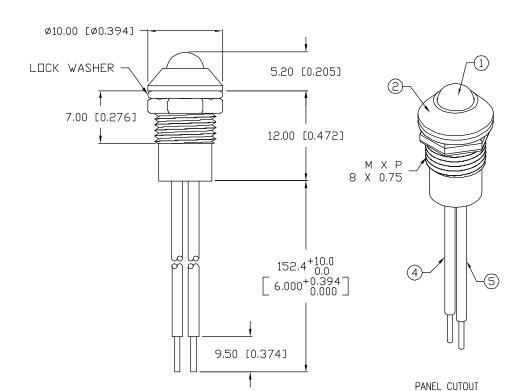
SSI-LXR3816SRDB150



ELECTRO-OPTICAL CH	ARACTERIS	TICS TA=25	С	If = 20mA	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.2	Vf	
REVERSE VOLTAGE	4.0			V_r	1 _r =100µA
AXIAL INTENSITY		250		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIF	FUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS	
PEAK FORWARD CURRENT*	150	mA	
STEADY CURRENT	30	mA	
POWER DISSIPATION	100	mW	
DERATE FROM 25°C	-1.2	mW/°C	
OPERATING, STORAGE TEMP.	-40 TO +85	•C	
* t<10µS			

NOTES:

- 1. SSL-LX5093SRD/D, 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.

UNCONTROLLED DOCUMENT

*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 ARE: X=±0.000 (±0.000), X.XX=±0.000 (±0.00

Ø8.20 [Ø0.323]

REV.

PART NUMBER SSI-LXR3816SRDB150

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

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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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