

UNCONTROLLED DOCUMENT

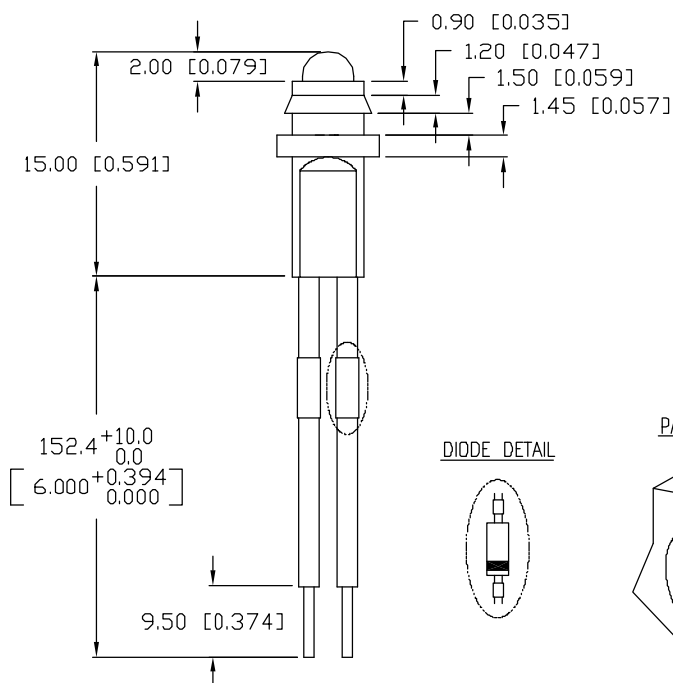
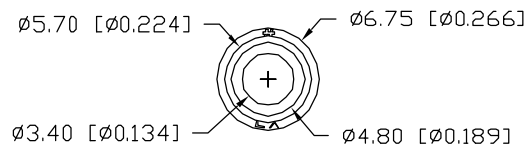
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PART NUMBER

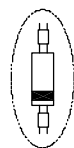
REV.

SSI-RM3091SBD19938

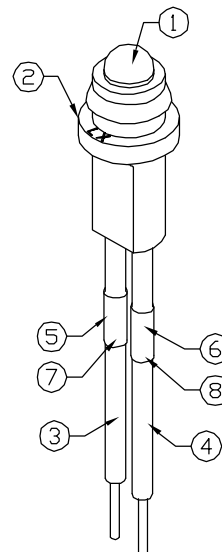
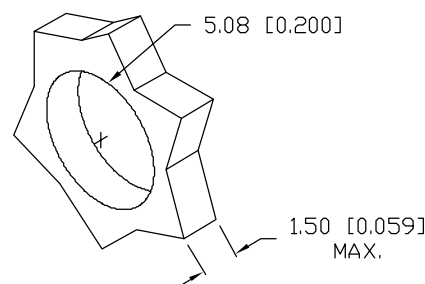
PRELIMINARY IN P/N DIR



DIODE DETAIL



PANEL CUTOUT



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=120\text{ VAC}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		120		VAC	
AXIAL INTENSITY		30		mcd	$V_f=120\text{ VAC}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	PER DIM	MAX	UNITS
PEAK FORWARD VOLTAGE		160	VAC
STEADY CURRENT		12	mA
POWER DISSIPATION		150	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

NOTES:

- SSL-LX306F4SBD/A, BLUE LED.
- SSH-RM3091, BLACK RUBBER HOUSING.
- ANODE LEAD: LXP-WST26RDT0C, 26 AWG STRANDED, RED INSULATION, CUT 40mm LONG, STRIP 2mm BOTH ENDS. CUT 113mm LONG, STRIP 3mm & 9.5mm.
- CATHODE LEAD: LXP-WST26BLT0C, 26 AWG STRANDED, BLACK INSULATION, CUT 60mm LONG, STRIP 2mm BOTH ENDS. CUT 93mm LONG, STRIP 3mm & 9.5mm.
- LXP-RES 10K 2W, : 10K Ω 2 WATT RESISTOR. CUT TO 22mm END TO END.
- LXP-DIODE-1N4004: 1N4004 RECTIFIER DIODE. CUT TO 25mm END TO END.
- LXP-HEATSHRINK-6, 3/16", 35mm BLACK HEATSHRINK.
- LXP-HEATSHRINK-4, 1/8", 40mm BLACK HEATSHRINK.
- RESISTOR AND DIODE ARE CRIMPED TO THE WIRES.
- LED IS SOLDERED TO THE WIRE.

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*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

REV.

PART NUMBER

SSI-RM3091SBD19938

T-3mm 430nm BLUE LED PANEL INDICATOR,
BLUE DIFFUSED LENS, 6" WIRE LEADS, 120VAC.

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