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Features / Options

- ▶ Bi-Color Styles Optional
- ▶ State-of-the-Art, LED Technology
- ▶ Choice of LED Colors and Lens Finishes
- ▶ Insulated Lead Lengths Optional
- ▶ Easy installation through panel

Applications / Uses

- ▶ Front Panel Status Indicators
- ▶ Alarm/Warning Indicators
- ▶ Front Panel Circuit Fault Indicators
- ▶ Instrument Control Panels
- ▶ Medical Diagnostics Indicators
- ▶ Industrial Automation Control Panels

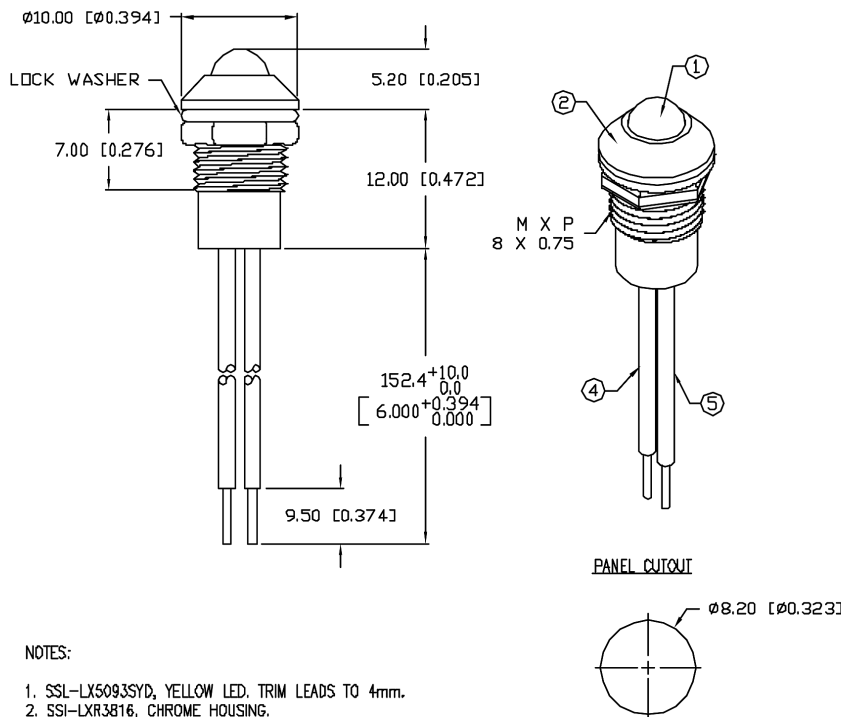
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR3816BID-150		STANDARD	GaASP	Blinking Red	635	6	80	3-15v
SSI-LXR3816GD-150		STANDARD	Gap	Green	565	30	60	2.2
SSI-LXR3816GD5V150		STANDARD	GaP	Green	565	20	60	5.0
SSI-LXR3816GHW-150		STANDARD	GaP	Red/ Green	700/565	10	60	2.2/2.0
SSI-LXR3816ID-150		STANDARD	GaAsP	Red	635	30	60	2.0
SSI-LXR3816ID5V150		STANDARD	GaAsP	Red	635	20	60	5.0
SSI-LXR3816SID-150		HIGH	AlInGaP	Red	636	700	60	2.0
SSI-LXR3816SOD-150		HIGH	AlInGaP	Orange	610	100	60	2.0
SSI-LXR3816SRD-150		HIGH	GaAlAs	Red	660	75	60	1.7
SSI-LXR3816SUGD150		HIGH	AlInGaP	Green	574	50	60	2.2
SSI-LXR3816SYD-150		STANDARD	GaAsP	Yellow	585	20	60	2.1

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PART NUMBER

SSI-LXR3816SYD-150

REV.



NOTES:

1. SSL-LX5093SYD, YELLOW LED. TRIM LEADS TO 4mm.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LX4815BSG, BUSHING (NOT SHOWN). INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST24RDT0C, 24 AWG., TINNED OVERCOAT, RED INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG., TINNED OVERCOAT, BLACK INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
6. CRIMP WIRES TO LED LEADS.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

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	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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-LXR3816SYD-150

T-5mm 590nm AlInGaP YELLOW LED PANEL INDICATOR,
YELLOW 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.

