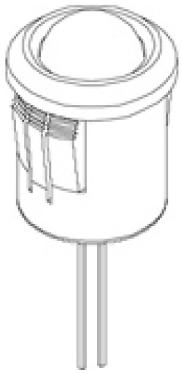


Features / Options

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

Applications / Uses

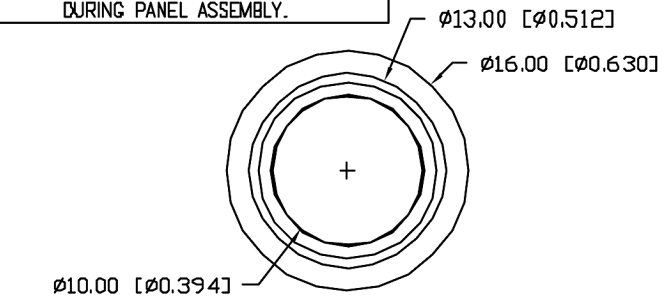
- Front Panel Status Indicators
- Alarm/Warning Indicators
- Front Panel Circuit Fault Indicators
- Instrument Control Panels
- Medical Diagnostics Indicators
- Industrial Automation Control Panels

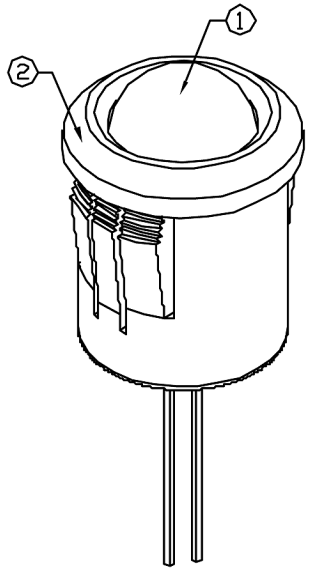
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXH1090BID		STANDARD	GaAsP	Blinking Red	635	50	60	9.0/12.0
SSI-LXH1090GD		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH1090GD-150		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH1090HGW		STANDARD	GaP	Red/ Green	700/565	6/25	60	2.0/2.2
SSI-LXH1090ID		STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH1090ID-150		STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH1090SID-150		HIGH	AlInGaP	Red	636	550	60	2.0
SSI-LXH1090SOD-150		HIGH	AlInGaP	Orange	610	550	60	2.0
SSI-LXH1090SRD		HIGH	GaAlAs	Red	660	80	60	1.7
SSI-LXH1090SRD-150		HIGH	GaAlAs	Red	660	80	60	1.7
SSI-LXH1090SUGD150		HIGH	AlInGaP	Green	574	200	60	2.2

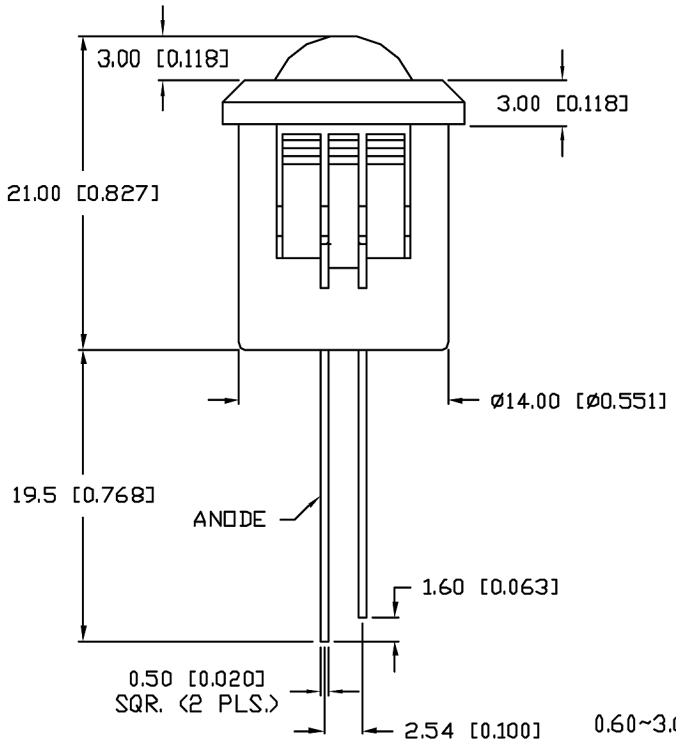
SSI-LXH1090SYD-150		HIGH	AlInGaP	Yellow	590	350	60	2.1
SSI-LXH1090USBD150		HIGH	InGaN	Blue	470	350	60	3.5
SSI-LXH1090YD		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXH1090YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1

UNCONTROLLED DOCUMENT

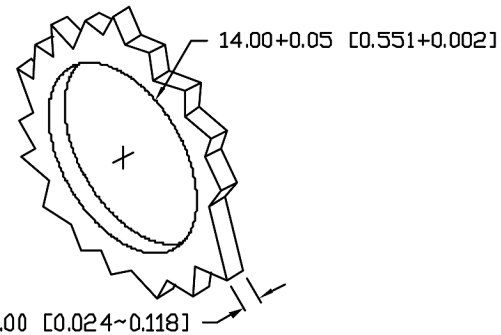
CAUTION: PRESSURE SENSITIVE ASSEMBLY
AVOID APPLYING PRESSURE TO LED
DURING PANEL ASSEMBLY.







PANEL CUTOUT [A]



PART NUMBER	REV.
SSI-LXH1090YD	B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10539.	9.24.99
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.5.02

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY		30		mcd	I_f=20mA
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	105	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

* t<10µS

NOTES:

1. SSL-LX100133YD LED.
2. SSH-RTF1090 HOLDER.
3. UV EPOXY TO RETAIN LED IN HOLDER.

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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

REV.	PART NUMBER
B	SSI-LXH1090YD

T-10mm 585nm YELLOW LED PANEL INDICATOR,
YELLOW DIFFUSED LENS.

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.

LUMEX