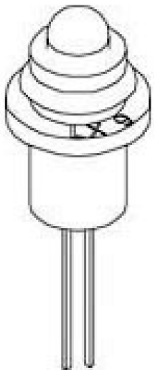


Features / Options

- 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

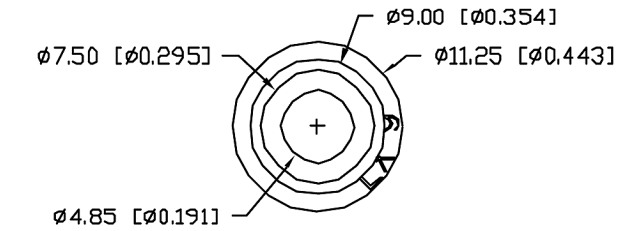
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXH9GD		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH9GD-150		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXH9GD-5V		STANDARD	GaP	Green	565	20	60	5.0
SSI-LXH9GD5V-150		STANDARD	GaP	Green	565	20	60	5.0
SSI-LXH9HGW		STANDARD	GaP	Red/ Green	700/565	6/30	60	2.0/2.2
SSI-LXH9HGW-150		STANDARD	GaP	Red/ Green	700/565	5/25	60	2.0/2.2
SSI-LXH9ID		STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH9ID-150		STANDARD	GaAsP	Red	635	40	60	2.0
SSI-LXH9ID-5V		STANDARD	GaAsP	Red	635	20	60	5.0
SSI-LXH9ID5V-150		STANDARD	GaAsP	Red	635	20	60	5.0
SSI-LXH9SID-150		HIGH	AlInGaP	Red	636	100	60	2.0

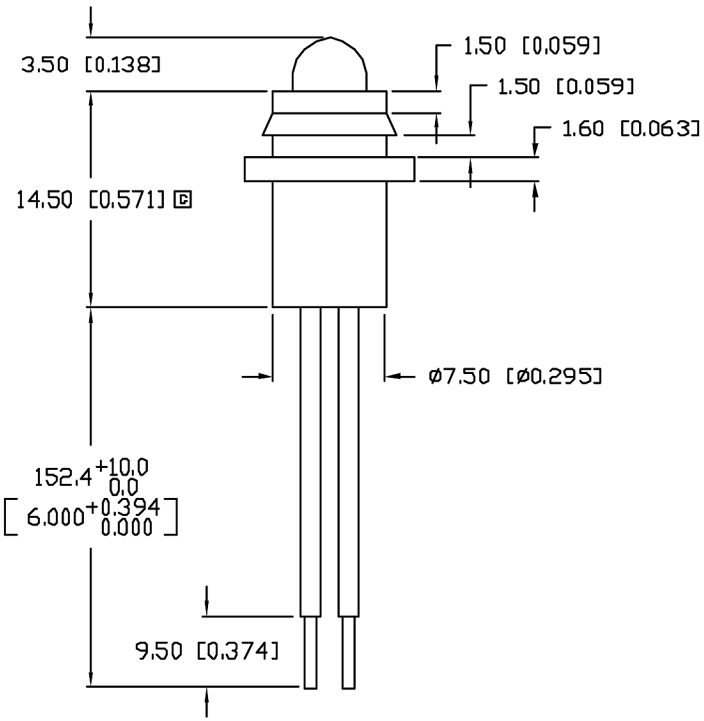
SSI-LXH9SOD-150		HIGH	AlInGaP	Orange	610	100	60	2.0
SSI-LXH9SRD		HIGH	GaAIAs	Red	660	80	60	1.8
SSI-LXH9SRD-150		HIGH	GaAIAs	Red	660	80	60	1.7
SSI-LXH9SUGD-150		HIGH	AlInGaP	Green	574	170	60	2.2
SSI-LXH9SYD-150		HIGH	AlInGaP	Yellow	590	100	60	2.1
SSI-LXH9USBD-150		HIGH	InGaN	Blue	470	60	60	3.5
SSI-LXH9YD		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXH9YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXH9YD-5V		STANDARD	GaAsP	Yellow	585	20	60	5.0
SSI-LXH9YD5V-150		STANDARD	GaAsP	Yellow	585	20	60	5.0

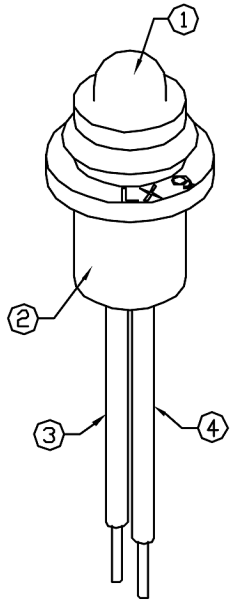
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
SSI-LXH9YD-150	D

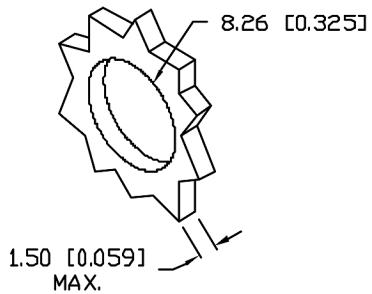
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHANGED NOTES.	4.29.94
B	UPDATED SPECS AND NOTES.	5.31.95
C	E.C.N. #10427.	5.15.98
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.8.02







PANEL CUTOUT



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

* t<10µS

NOTES:

A 1. SSL-LX509F3YD, YELLOW LED.
B 2. SSH-LXH9, BLACK RUBBER HOUSING.
A 3. ANODE LEAD: LXP-WST24RDTOC, 24 AWG STRANDED, RED INSULATION, CUT 155mm LONG, STRIP 2mm & 9.5mm.
A 4. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG STRANDED, BLACK INSULATION, CUT 155mm LONG, STRIP 2mm & 9.5mm.
5. CRIMP WIRE LEADS 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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
D	SSI-LXH9YD-150

T-5mm 585nm YELLOW LED PANEL INDICATOR,
YELLOW DIFFUSED LENS, 6" WIRE LEADS.

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LUMEX