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

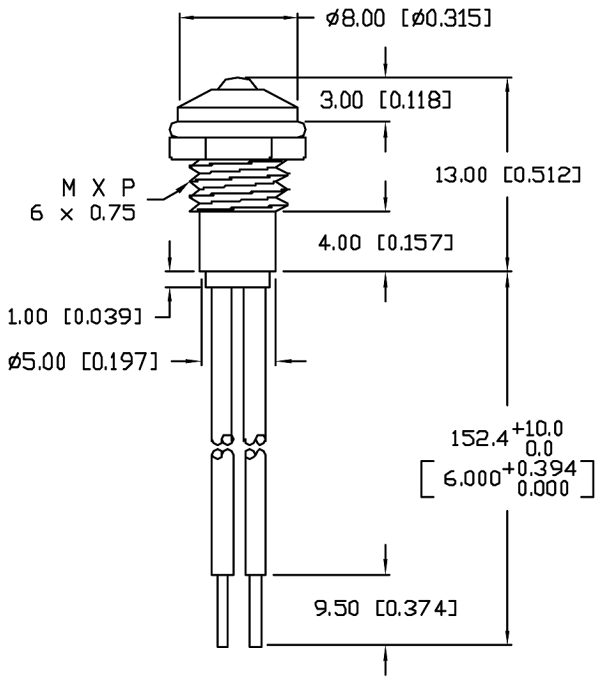
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR3612BID-150		STANDARD	GaAsP	Red	635	6	60	3-15V
SSI-LXR3612GD-150		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXR3612GD5V150		STANDARD	GaP	Green	565	15	60	5.0
SSI-LXR3612HGW-150		STANDARD	GaP	Red/ Green	700/565	5/20	60	2.0/2.2
SSI-LXR3612ID-150		STANDARD	GaAsP	Red	635	30	60	2.0
SSI-LXR3612ID5V150		STANDARD	GaAsP	Red	635	10	60	5.0
SSI-LXR3612SID-150		HIGH	AlInGaP	Red	636	100	60	2.1
SSI-LXR3612SOD-150		HIGH	AlInGaP	Orange	610	100	60	2.1
SSI-LXR3612SRD-150		HIGH	GaAlAs	Red	660	65	60	1.8
SSI-LXR3612SUGD150		HIGH	AlInGaP	Green	574	70	60	2.2
SSI-LXR3612SYD-150		HIGH	AlInGaP	Yellow	590	100	60	2.1

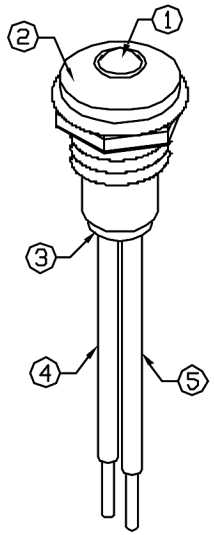
SSI-LXR3612USBD-150		HIGH	InGaN	Blue	470	60	60	3.5
SSI-LXR3612YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXR3612YD5V150		STANDARD	GaAsP	Yellow	585	10	60	5.0

UNCONTROLLED DOCUMENT

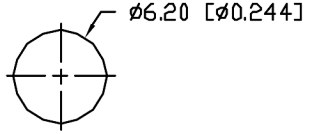
PART NUMBER	REV.
SSI-LXR3612GD-150	E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS.	11.17.92
B	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
C	UPDATED DRAWING AND NOTES.	5.16.95
D	CHG'D WIRE SIZE.	6.23.95
E	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.30.01





PANEL CUTOUT



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	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:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

	PARAMETER	MAX	UNITS
A	PEAK FORWARD CURRENT*	150	mA
A	STEADY CURRENT	25	mA
A	POWER DISSIPATION	105	mW
	DERATE FROM 25°C	-1.6	mW/°C
A	OPERATING, STORAGE TEMP.	-40 TO +85	°C

* t<10µS

NOTES:

1. SSL-LX3054GD, GREEN LED, TRIM LEADS TO 5mm.
2. SSI-LXR3612 HOLDER, CHROME FINISH.
3. SSH-LXH1612BSC, BUSHING, INSERT AND CRIMP.
- D C 4. ANODE LEAD: LXP-WST26RDTOC, 26 AWG. STRANDED, RED INSULATION, CUT TO 157mm LONG, STRIP ENDS 2mm AND 9.5mm.
- B 5. CATHODE LEAD: LXP-WST26BLTOC, 26 AWG. STRANDED, BLACK INSULATION, CUT TO 157mm LONG, STRIP ENDS 2mm AND 9.5mm.
6. SOLDER LED LEADS TO WIRE LEADS.

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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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
E	SSI-LXR3612GD-150

T-3mm (T-1) 565nm GREEN LED PANEL INDICATOR, GREEN DIFFUSED LENS, WITH 6" WIRE LEADS.

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.

LUMEX