



We Tame Photons to Work for You!



Products

Search Tools

Solutions

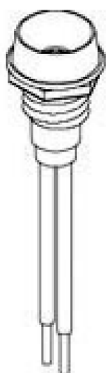
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Round > Front Insertion > 3mm > Chrome Housing > Flush LED



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

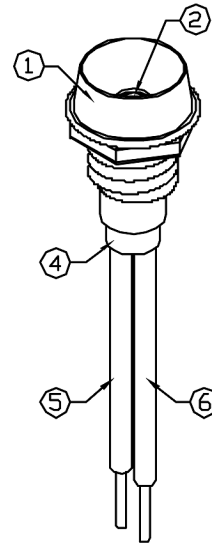
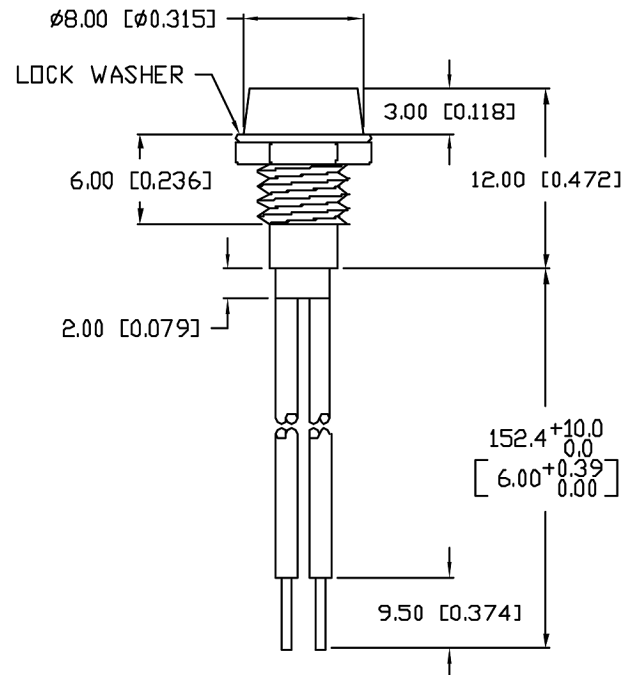
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR1612BID-150		STANDARD	GaAsP	Blinking Red	635	10	60	3-14
SSI-LXR1612GD-150		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXR1612GD5V150		STANDARD	GaP	Green	565	20	60	5.0
SSI-LXR1612HGW-150		STANDARD	GaP	Red/ Green	700/565	3/4	60	2.0/2.2
SSI-LXR1612ID-150		STANDARD	GaAsP	Red	635	30	60	2.0
SSI-LXR1612ID5V150		STANDARD	GaAsP	Red	635	10	60	5.0
SSI-LXR1612SID-150		HIGH	AlInGaP	Red	636	100	60	2.0
SSI-LXR1612SOD-150		HIGH	AlInGaP	Orange	610	100	60	2.0
SSI-LXR1612SRD-150		HIGH	GaAlAs	Red	660	80	60	1.8
SSI-LXR1612SUGD-150		HIGH	AlInGaP	Green	574	60	60	2.2
SSI-LXR1612SYD-150		HIGH	AlInGaP	Yellow	590	100	60	2.1

SSI-LXR1612USBD150		HIGH	InGaN	Blue	470	80	60	3.5
SSI-LXR1612YD-150		STANDARD	GaAsP	Yellow	585	30	60	2.1
SSI-LXR1612YD5V150		STANDARD	GaAsP	Yellow	585	10	60	5.0

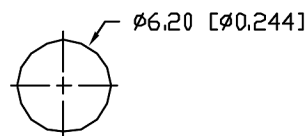
UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR1612SRD-150REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.23.01



PANEL CUTOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		80		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2\times\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED 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	-1.8	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

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

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054SRD, RED LED. TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: 26 AWG, STRANDED, RED INSULATION.
CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: 26 AWG, STRANDED, BLACK INSULATION.
CUT 157mm LONG, STRIP END 2mm & 9.5mm.

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 MAX.=+0.00/-DECIMAL PRECISION

REV.

A

PART NUMBER

SSI-LXR1612SRD-150

T-3mm (T-1) 430nm SUPER RED LED PANEL INDICATOR,
RED DIFFUSED LENS, 6" WIRE LEADS.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.

