



We Tame Photons to Work for You!



Products

Search Tools

Solutions

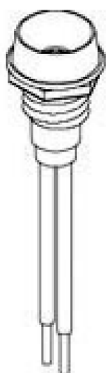
Literature

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

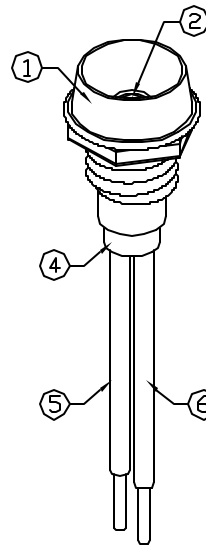
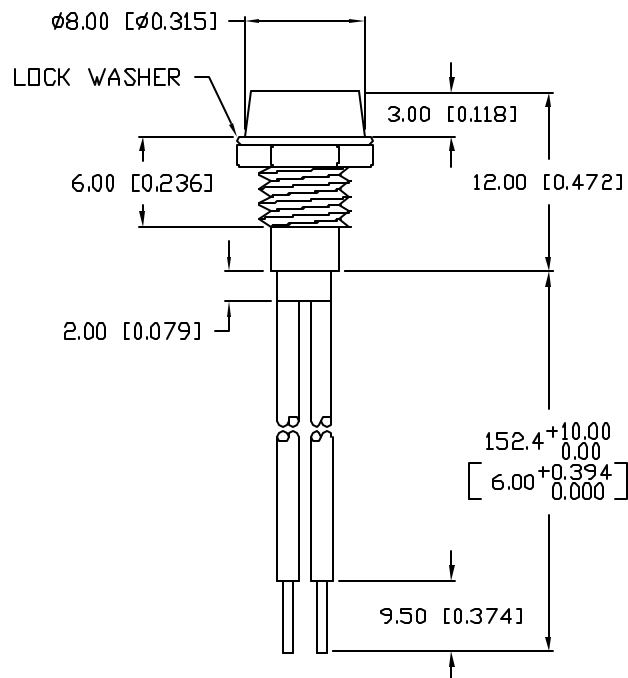
Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR1612BID-150		STANDARD	GaAsP	Blinking Red	635	10	60	3-14
SSI-LXR1612GD-150		STANDARD	GaP	Green	565	30	60	2.2
SSI-LXR1612GD5V150		STANDARD	GaP	Green	565	20	60	5.0
SSI-LXR1612HGW-150		STANDARD	GaP	Red/ Green	700/565	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

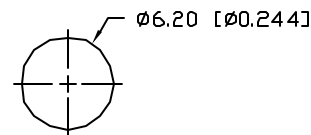
UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR1612GD-150REV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D NOTE SIX TO SPECIFY BLACK INSUL.	3.2.93
B	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
C	UPDATED DWG. & NOTES.	5.22.95
D	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.16.01



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		565		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054GD, GREEN LED. TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: LXP-WST26RDT0C, 26 AWG, STRANDED, RED INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: LXP-WST26BLT0C, 26 AWG, STRANDED, BLACK INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $XX=\pm 0.5$ (± 0.020), $XXX=\pm 0.25$ (± 0.010), $XXXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

REV.

D

PART NUMBER

SSI-LXR1612GD-150

T-3mm (T-1) 565nm GREEN LED PANEL INDICATOR,
GREEN DIFFUSED LENS, 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.



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DATE: 6.3.92

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SCALE: N/A