



We Tame Photons to Work for You!



Products

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Solutions

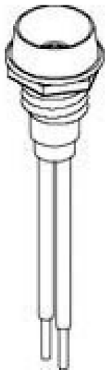
Literature

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

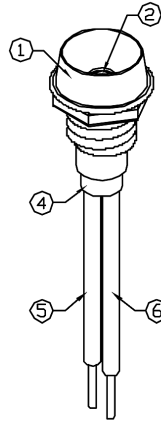
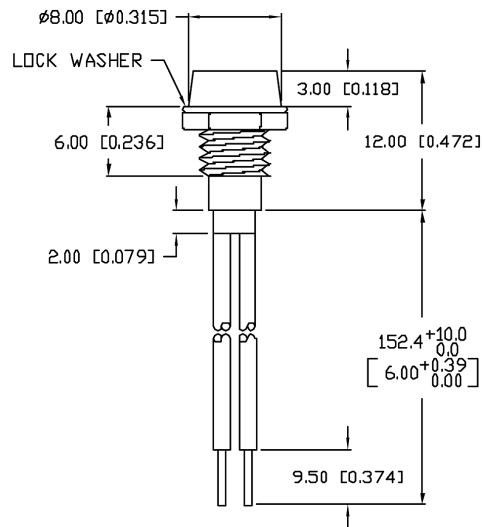
Applications / Uses

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

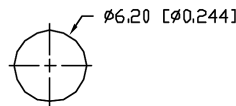
Part Number:	Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage
SSI-LXR1612BID-150	STANDARD	GaAsP	Blinking Red	635	10	60	3-14
SSI-LXR1612GD-150	STANDARD	GaP	Green	565	30	60	2.2
SSI-LXR1612GD5V150	STANDARD	GaP	Green	565	20	60	5.0
SSI-LXR1612HGW-150	STANDARD	GaP	Red/ Green	700/565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



PANEL CUTOUT



PART NUMBER		REV.
SSI-LXR1612YD-150		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
B	UPDATED DWG. AND NOTES.	5.22.95
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.23.01

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

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 _f =100 μ A
AXIAL INTENSITY		30		med	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	-1.5	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* t < 10 μ s

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054YD, YELLOW 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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.	PART NUMBER
C	SSI-LXR1612YD-150
T-3mm (T-1) 585nm YELLOW LED PANEL INDICATOR, YELLOW DIFFUSED LENS, 6" WIRE LEADS.	

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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.

