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### Features / Options

- ▶ Vertical Positioning
- ▶ Multi-Unit Construction
- ▶ Polarity Orientation Holder
- ▶ Choice of Colors and Lenses

### Applications / Uses

- ▶ Board Level Status Indicators
- ▶ Board Level Fault Indicators
- ▶ Warning/Alarm Signaling
- ▶ Circuit Fault Finder Indicators

Part Number:		Brightness	Material	Emitted Color	Wavelength	Intensity	View Angle	Voltage		
SSF-LXH340GGGD		STANDARD	GaP	Green	565	15	80	2.1		
SSF-LXH340IIID		STANDARD	GaAsP	Red	630	20	80	2.0		
SSF-LXH340LGGGD		STANDARD	GaP	Green	565	15	80	2.1		
SSF-LXH340LIID		STANDARD	GaAsP	Red	630	20	80	2.0		
SSF-LXH340LYYYD		STANDARD	GaAsP	Yellow	585		80	1.8		
SSF-LXH340SISISID		HIGH	AllnGaP	Red	636	100	80	2.0		
SSF-LXH340SOSOSOD		HIGH	AllnGaP	Orange	610	100	80	2.0		
SSF-LXH340SRSRSRD		HIGH	GaAlAs	Red	660		80	1.8		
SSF-LXH340SUGUGGPD		HIGH	AllnGaP	Green	574	60	80	2.2		
SSF-LXH340SYSYSYD		HIGH	AllnGaP	Yellow	590	100	80	2.0		
SSF-LXH340USBSBSD		HIGH	InGaN	Blue	470	80	80	3.5		
SSF-LXH340YYD		STANDARD	GaAsP	Yellow	585		80	2.1		

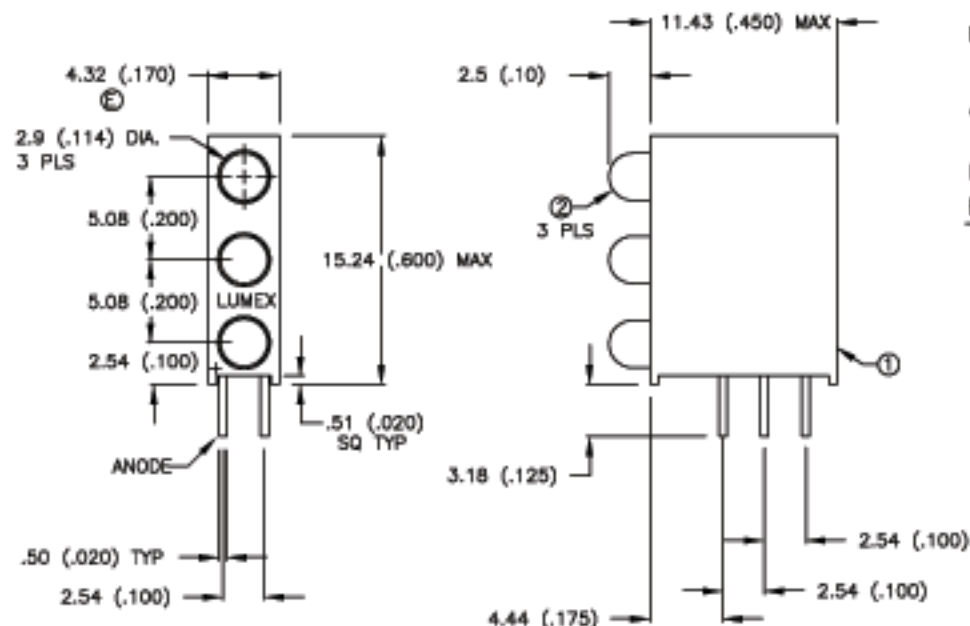
DATE	REVISIONS	REV
8-9-93	CHG'D. LEAD LENGTHS./	A
8-30-93	CHG'D. LEAD LENGTHS./	B
8-15-94	CHG'D. OPER/STOR. & SOLDER TEMPS AND STAND-OFF/	C
3-6-95	CHG'D. STANDOFF, UPDATED SPECS./	D
9-23-96	E.C.N. #10244./	E

DRAWING NUMBER  
SSF-LXH340IIID

REV  
E

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I<sub>f</sub>=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100uA
AXIAL INTENSITY		20		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				



LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25 °C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

\* t<10uS

**BILL OF MATERIALS:**

- SSH-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044ID LED (3 PIECES).

**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**  
OPTO COMPONENTS INC.

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SCALE: N/A	DWN:	CHK'D:	APPD:
T-3mm LED, RIGHT ANGLE FAULT INDICATOR, RED DIFFUSED			
PAGE 1 OF 1	DRAWING NUMBER SSF-LXH340IIID		REV E