

DATE	REVISIONS	REV
7-29-96	E.C.N. #10113./	A

DRAWING NUMBER	REV
SSF-LXH104IGW-01	A

CUSTOMER: SPRINT SUPPORT SERVICES (TELENET)

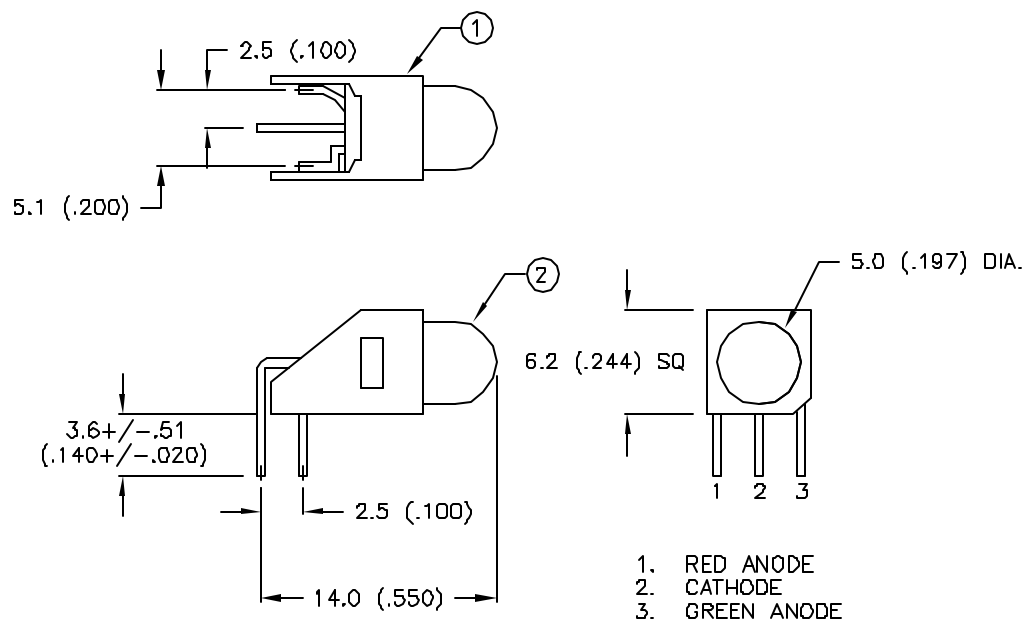
ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		8.0		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		$2 \times \theta$	
EMITTED COLOR		RED/GREEN			
EPOXY LENS FINISH		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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



1. RED ANODE
2. CATHODE
3. GREEN ANODE

BILL OF MATERIALS:

1. SSH-LXH104 HOLDER, 1 EACH.
2. SSL-LX5099IGW-01, 1 EACH. (LED WITH BENT LEADS)

INSPECTION ALERT

INSPECT FIRST PIECES THROUGH LINE FOR POLARITY BY LIGHT-UP

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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DATE: 12-7-92	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T1-3/4) RIGHT ANGLE LED, FAULT INDICATOR,
BICOLOR RED/GREEN

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OK/MS