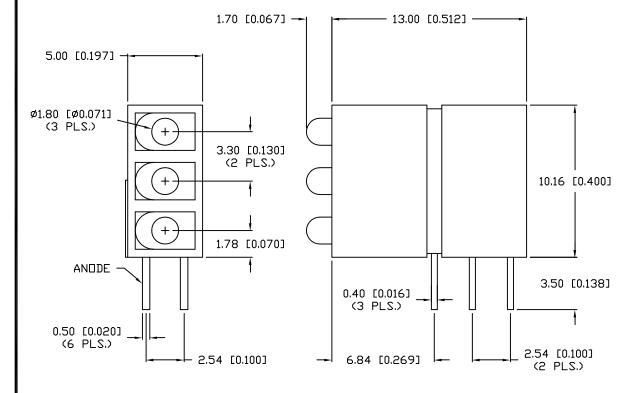
SSF-LXH513USBD



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	v_f	
REVERSE VOLTAGE	5.0			v_r	I _r =100µA
AXIAL INTENSITY		100		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		70		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE	DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	. C
SOLDERING TEMP.	+ 260	. C
2.0mm FROM BODY		3 SEC. MAX

* t<10µS

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX.=+0.00 (±0.000), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), X.XX=±0.127 (±0.005).

REV.

PART NUMBER SSF-LXH513USBD

T-2mm TRI TOWER, SINGLE UNIT, SIDE-BY-SIDE LEADS, 470nm ULTRA SUPER BLUE, BLUE DIFFUSED.

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.



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY: APPROVED BY: DATE:

1.30.01 PAGE: 1 OF 1 SCALE: N/A

CT