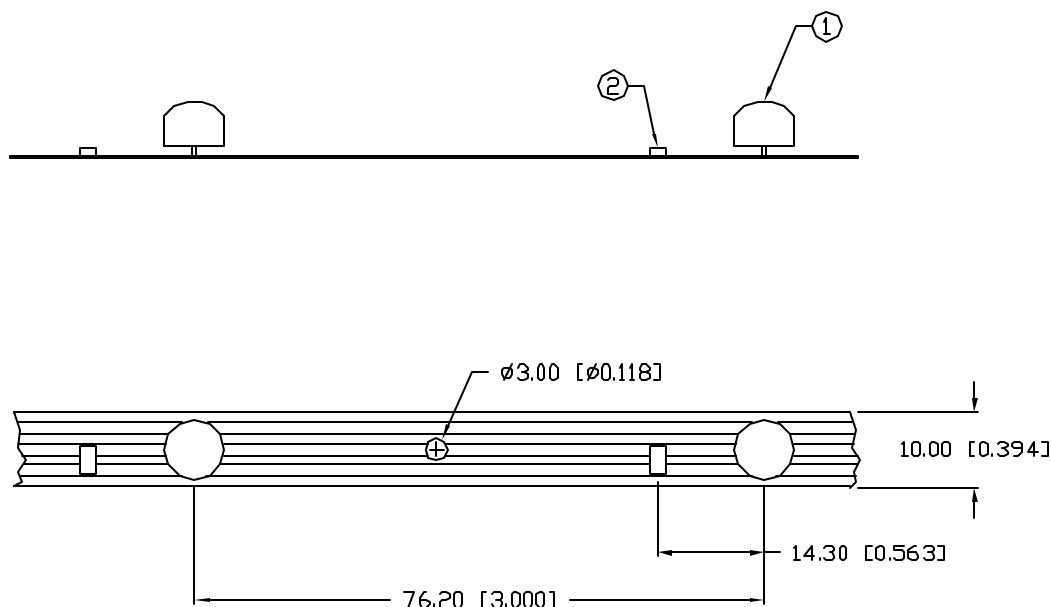


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



ELECTRO-OPTICAL CHARACTERISTICS			T _A =25°C			V _f =12V		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND			
PEAK WAVELENGTH		470		nm				
FORWARD VOLTAGE		12		V _f				
REVERSE VOLTAGE	5.0			V _r	I _r =100μA			
AXIAL INTENSITY*		1200		mcd	V _f =12V			
VIEWING ANGLE		85		2x theta				
EMITTED COLOR:	BLUE							
EPOXY LENS FINISH:	WATER CLEAR							
*PER LED								

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	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:

1. SSL-LX806F3USBC
2. 1/8W 470Ω RESISTOR.

*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

SSP-FSD8DUSB-12V3

8mm STRIP LED, 3" SPACING,

470nm InGaN/SiC BLUE LED, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

DUR 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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