

UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-FSD8DUW-12V3

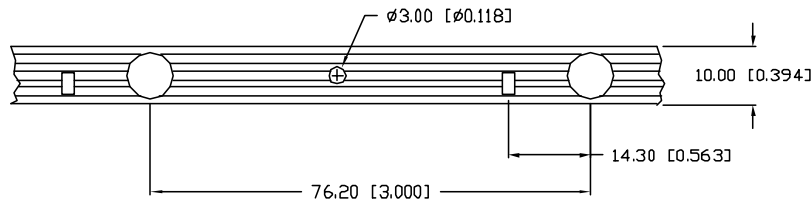
REV.



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=12\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	-	-	nm	
FORWARD VOLTAGE	-	12	-	$V_f$	
REVERSE VOLTAGE	5.0	-	-	$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY*	-	1450	-	mcd	$V_f=12\text{V}$
VIEWING ANGLE	-	85	-	2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

\*PER LED



LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	20	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

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

NOTES:

- SSL-LX806F3UWC
- 1/8W 470Ω RESISTOR.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), X,X=±0.5 (±0.020), X,XX=±0.25 (±0.010), X,XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION MAX.=<sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION

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8mm STRIP LED, 3" SPACING,  
InGaN/SiC WHITE LED, WATER CLEAR LENS.

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.



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