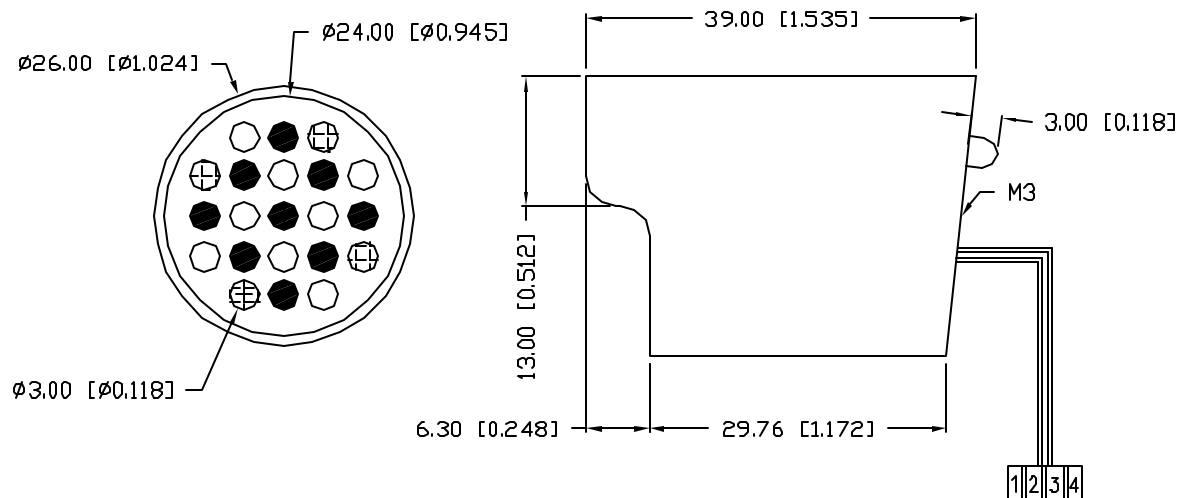
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=60\text{mA}$

PARAMETER	(COLORS)	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			660 (RED)		nm	
			565 (GREEN)		nm	
			430 (BLUE)		nm	
FORWARD VOLTAGE (R)			7.2	10.0	V_f	$I_f=20\text{mA}$
	(G)		8.4	10.0	V_f	$I_f=40\text{mA}$
	(B)		11.5	13.5	V_f	$I_f=60\text{mA}$
REVERSE VOLTAGE (R/G/B)	12				V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G/B)		1800/1200/300			mcd	$I_f=40\text{mA}$
VIEWING ANGLE		40			2x theta	
EPOXY LENS FINISH: WATER CLEAR						

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	150/150/100	mA
STEADY CURRENT	(R/G/B)	30/25/30	mA
POWER DISSIPATION	(R/G/B)	200/450/900	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-30 TO +60	$^\circ\text{C}$

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $XX=\pm 0.5$ (± 0.020), $XXX=\pm 0.25$ (± 0.010), $XXXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN.= $\frac{+0.00}{-0.00}$ MAX.= $\frac{+0.00}{-0.00}$

REV.

PART NUMBER

SSP-LXC102821BA

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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1" ROUND CLUSTER, 21 LAMPS WITH 4 PIN CONNECTOR,
RED/GREEN/BLUE LEDS, WATER CLEAR LENS.

DRAWN:
BC

CHECKED:

APPROVED:

DATE: 8.9.01
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