

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSP-24MB153S12G		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10950.	1.30.03

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

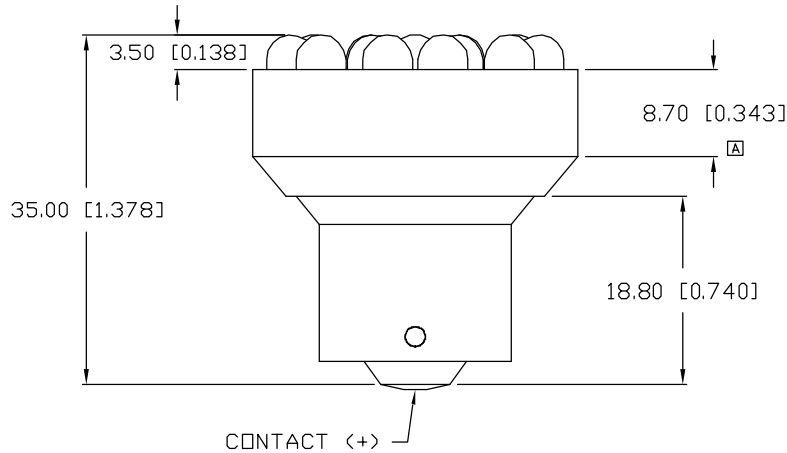
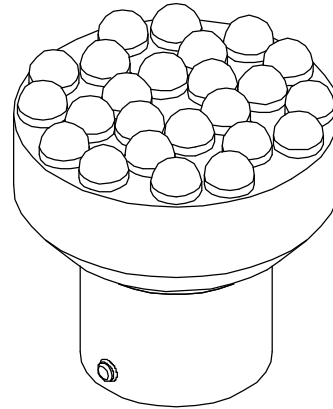
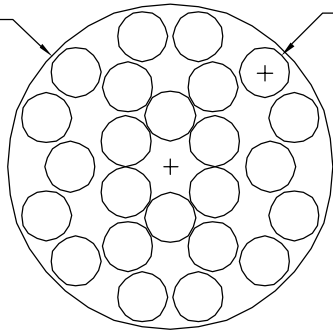
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		12.0		V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		106,200		mcd	$V_f=12\text{V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	120	mA
STEADY CURRENT	80	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-30 TO +70	$^{\circ}\text{C}$

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

$\phi 32.50$ [$\phi 1.280$] $\phi 5.00$ [$\phi 0.197$]



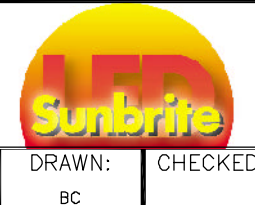
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), XX= ± 0.5 (± 0.020), XXX= ± 0.25 (± 0.010), XXXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}$ / $^{-0.00}$ DECIMAL PRECISION MAX= $^{+0.00}$ / $^{-0.00}$ DECIMAL PRECISION

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REV.	PART NUMBER
A	SSP-24MB153S12G
1.28" CIRCULAR, 24 LAMP POLYLED, 590nm SUPER YELLOW CHIPS, WATER CLEAR LENS, BA15 BASE, SINGLE CONTACT AUTO BAYONET.	

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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DRAWN:	CHECKED:	APPROVED:	DATE:
BC			6.29.01
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