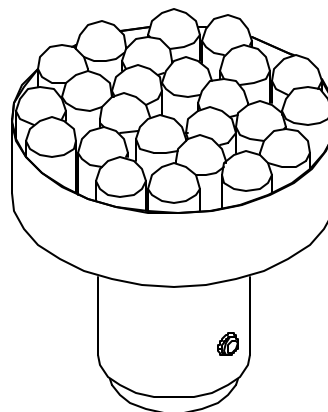
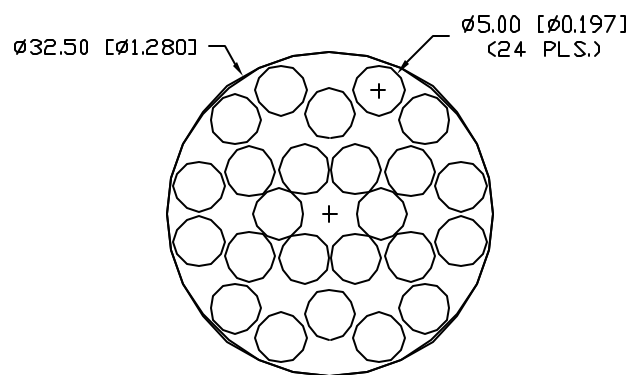


UNCONTROLLED DOCUMENT

PART NUMBER
SSP-24MDB156U12GREV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10950.	1.30.03
B	E.C.N. #10993.	5.21.03
C	E.C.N. #10BRDR & REDRAWN.	7.16.04

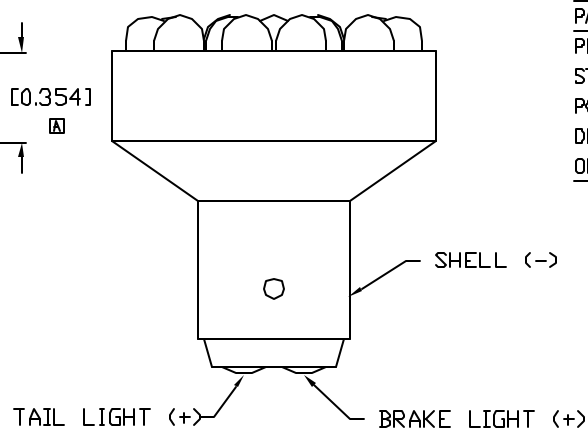
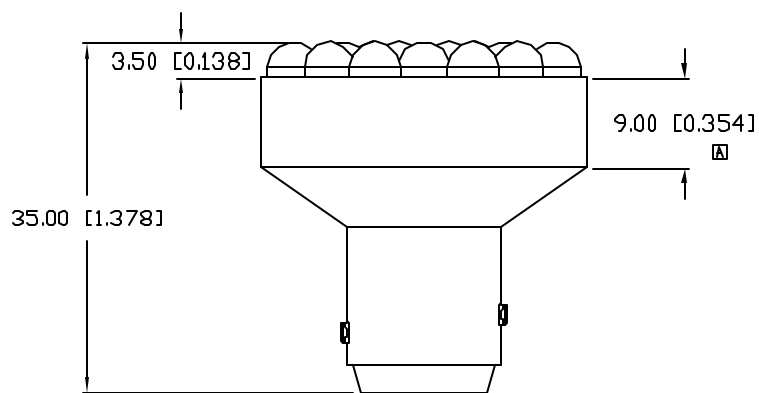
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=12\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		626		nm	
FORWARD VOLTAGE		12.0		V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY*		102,400/33,800		mcad	$V_f=12\text{V}$
VIEWING ANGLE		30		$2\times\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

* BRAKE/TAI

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14.0	V
STEADY CURRENT	140	mA
POWER DISSIPATION	1,960	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$



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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 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=+DECIMAL PRECISION MAX.=+0.00
-0.00 -DECIMAL PRECISION

REV.
CPART NUMBER
SSP-24MDB156U12G

1.28" CIRCULAR, 24 LAMP POLYLED,
626nm AlInGaP RED CHIPS, WATER CLEAR LENS,
1157 BASE, DOUBLE CONTACT AUTO BAYONET.

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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