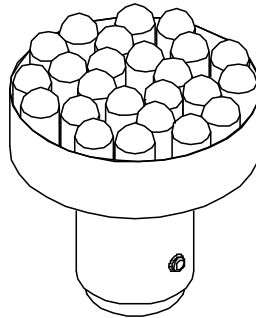
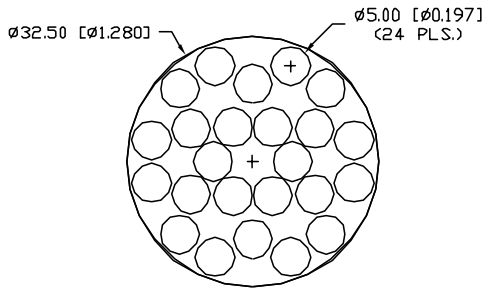


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PART NUMBER  
SSP-24MDB152UP12G

REV.  
C

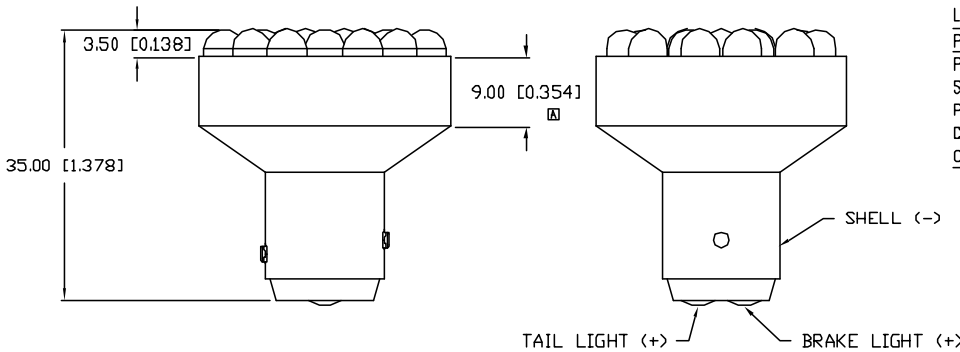
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10950.	1.30.03
B	E.C.N. #10993.	5.21.03
C	E.C.N. #10BRDR & REDRAWN.	7.16.04



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		12.0		$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu A$
AXIAL INTENSITY*		183,000/60,000		mcad	$V_f=12V$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

\* BRAKE/TAIL




LIMITS OF SAFE OPERATION AT 25°C PER MODULE

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14	V
STEADY CURRENT	130	mA
POWER DISSIPATION	320	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

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\*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	RELIABILITY NOTE	DATE
C	SSP-24MDB152UP12G	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF SUNBRITE LEDS. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SUNBRITE LEDS, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	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.	6-29-01
1.28" CIRCULAR, 24 LAMP POLYLED, 525nm InGaN GREEN CHIPS, WATER CLEAR LENS, 1157 BASE, DOUBLE CONTACT AUTO BAYONET.				286 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.2867 WEB: www.sunbriteleds.com
		DRAWN: CT	CHECKED:	APPROVED: DATE: 6-29-01 PAGE: 1 OF 1