

Excellent Integrated System Limited

Stocking Distributor

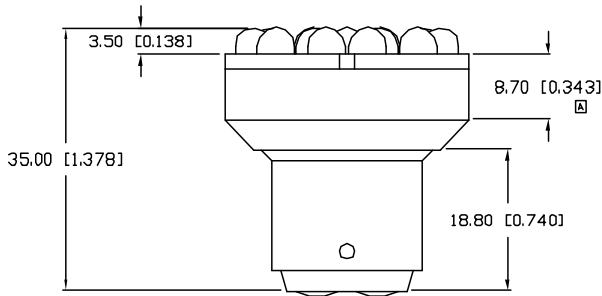
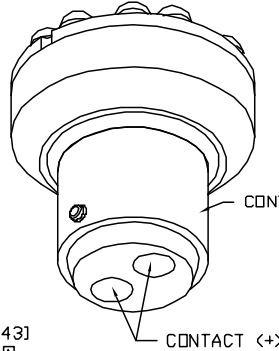
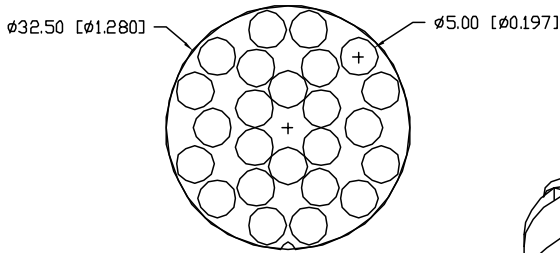
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SSP-24MDB152UP12G](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSP-24MDB152UP12G		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		525		nm	
FORWARD VOLTAGE		12.0		V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		183,000		mcad	$V_f=12\text{V}$
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE


PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	15	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-30 TO +70	$^\circ\text{C}$

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

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

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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.=+DECIMAL PRECISION MAX.=+0.00-DECIMAL PRECISION

REV. A	PART NUMBER SSP-24MDB152UP12G	<p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>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.</p>		286 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.2867 WEB: www.sunbriteleds.com
1.28" CIRCULAR, 24 LAMP POLYLED, 525nm ULTRA PURE GREEN CHIPS, WATER CLEAR LENS, BA15 BASE, DOUBLE CONTACT AUTO BAYONET.		DRAWN: BC CHECKED: APPROVED: DATE: 7.11.01 PAGE: 1 OF 1		