



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





IR Emitter and Detector Product Data Sheet

LTE-3376

Spec No.: DS-50-95-0023

Effective Date: 12/17/2003

Revision: C

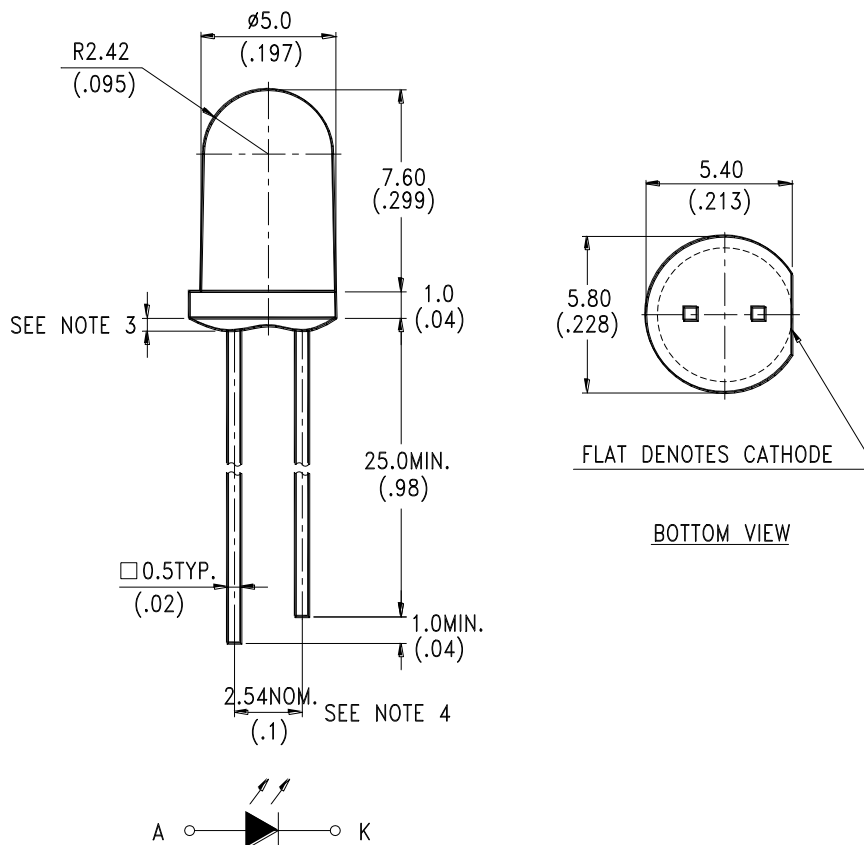
LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

FEATURES

- * HIGH SPEED
- * HIGH POWER
- * AVAILABLE FOR PULSE OPERATING

PACKAGE DIMENSIONS**NOTES:**

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted.
3. Protruded resin under flange is 1.5mm (.059") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.



LITE-ON TECHNOLOGY CORPORATION.

Property of Lite-On Only

ABSOLUTE MAXIMUM RATINGS AT TA=25°C

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation	200	mW
Peak Forward Current (300pps, 10 μ s pulse)	1	A
Continuous Forward Current	80	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to + 85°C	
Storage Temperature Range	-55°C to + 100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

ELECTRICAL OPTICAL CHARACTERISTICS AT TA=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Radiant Intensity	I_E	30	45		mW/sr	$I_F = 50mA$
Peak Emission Wavelength	λ_{Peak}		850		nm	$I_F = 50mA$
Spectral Line Half-Width	$\Delta \lambda$		50		nm	$I_F = 50mA$
Forward Voltage	V_F		1.6	2.0	V	$I_F = 50mA$
Reverse Current	I_R			100	μA	$V_R = 5V$
Rise/Fall Time	T_r/T_f		30		nS	10%~90%
Viewing Angle (See FIG.6)	$2\theta_{1/2}$		30		deg.	

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTICS CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

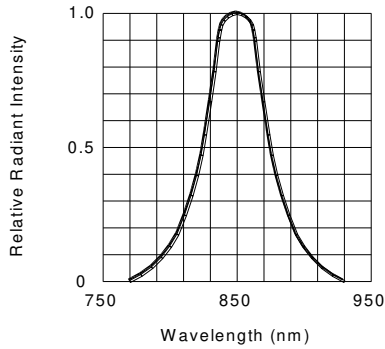


FIG.1 SPECTRAL DISTRIBUTION

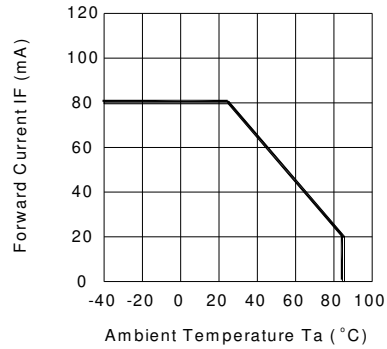


FIG.2 FORWARD CURRENT VS. AMBIENT TEMPERATURE

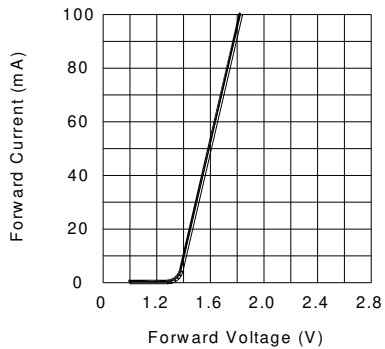


FIG.3 FORWARD CURRENT VS. FORWARD VOLTAGE

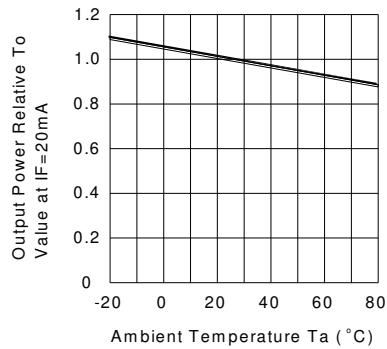


FIG.4 RELATIVE RADIANT INTENSITY VS. AMBIENT TEMPERATURE

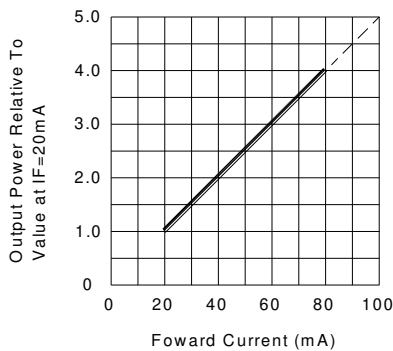


FIG.5 RELATIVE RADIANT INTENSITY VS. FORWARD CURRENT

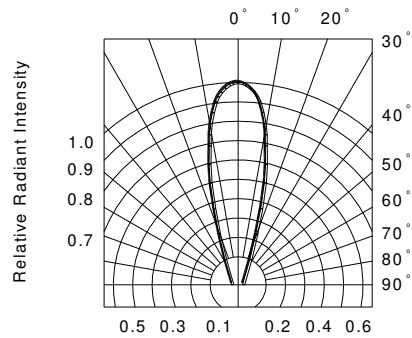


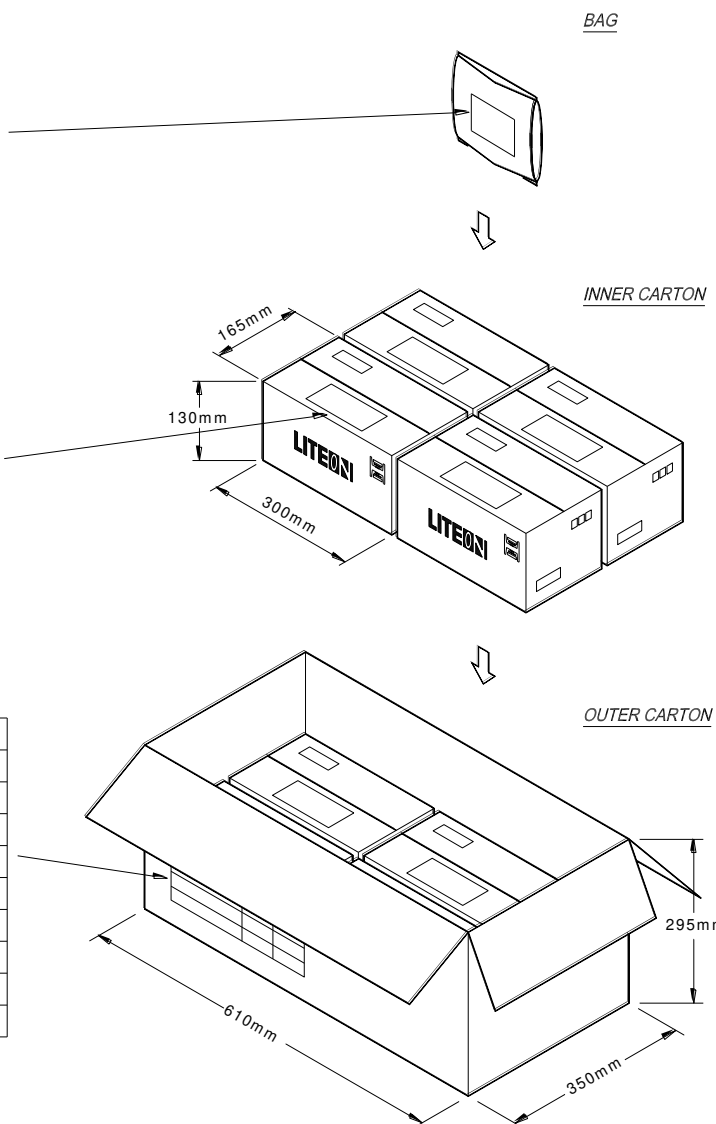
FIG.6 RADIATION DIAGRAM

PACKING

LITEON	
LITE-ON TECHNOLOGY CORP.	
CUSTOMER:	_____
DEVICE TYPE:	LTE-3376
BIN GRADE:	_____
LOT NO.:	_____
QTY:	_____
RMK:	_____

CUSTOMER	:	_____
CUSTOMER P/N	:	_____
DEVICE TYPE	:	LTE-3376
BIN	:	_____
COLOR RANK	:	_____
QUANTITY	:	_____
Q. C STAMP	:	_____

DIVICE NO.	BIN	QUANTITY
LTE-3376		
Q. C STAMP		



Bag volume (pcs / Bag)	Inner carton volume (Bag / carton)	Outer carton volume (Box / Carton)	Total volume (pcs/outer carton)
1000	8	8	64000