

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











Spec No.: DS30-2000-179 Effective Date: 12/12/2000

Revision: -

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

LITEON

LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

FEATURES

- *0.7INCH (17.22mm) DIGIT HEIGHT.
- *CONTINUOUS UNIFORM SEGMENTS.
- *LOW POWER REQUIREMENT.
- *EXCELLENT CHARACTERS APPEARANCE.
- *HIGH BRIGHTNESS & HIGH CONTRAST.
- *WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- *CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

The LTP-757KY is a 0.7inch (17.22mm) matrix height 5 x 7 dot matrix display. This device utilizes AlInGap Amber Yellow LED chips, which are made from AlInGaP on a non-transparent GaAs substrate, and has a gray face and white dots.

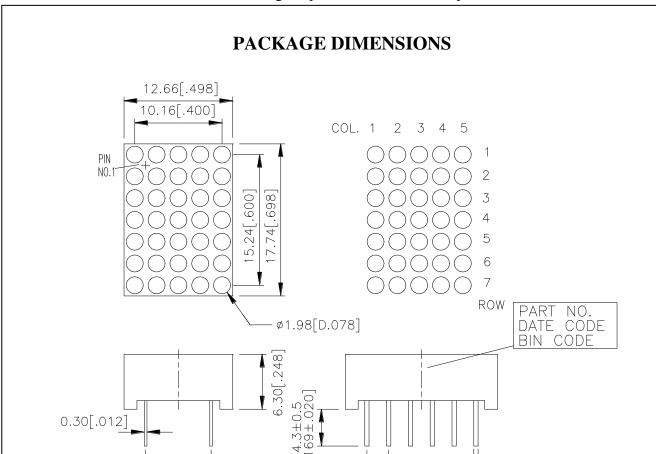
DEVICE

PART NO.	DESCRIPTION		
AlInGaP AMBER YELLOW	Cathode Column		
LTP-757KY	Anode Row		

PART NO.: LTP-757KY PAGE: 1 of 5

LITE-ON ELECTRONICS, INC.

Property of Lite-On Only



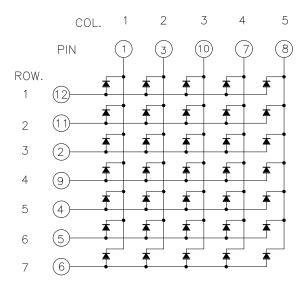
NOTES: All dimensions are in millimeters. Tolerances are \pm 0.25-mm (0.01") unless otherwise noted.

2.54[.100]

0.50[.020]

7.62[.300]

INTERNAL CIRCUIT DIAGRAM



PART NO.: LTP-757KY PAGE: 2 of 5

LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

PIN CONNECTION

No.	CONNECTION					
1	CATHODE COLUMN	1				
2	ANODE ROW 3					
3	CATHODE COLUMN	2				
4	ANODE ROW 5					
5	ANODE ROW 6					
6	ANODE ROW 7					
7	CATHODE COLUMN	4				
8	CATHODE COLUMN	5				
9	ANODE ROW 4					
10	CATHODE COLUMN	3				
11	ANODE ROW 2					
12	ANODE ROW 1					

3 of 5 PART NO.: LTP-757KY PAGE:



LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

ABSOLUTE MAXIMUM RATING AT T_A=25°C

PARAMETER	MAXIMUM RATING	UNIT			
Average Power Dissipation Per dot	25	mW			
Peak Forward Current Per dot	60	mA			
Average Forward Current Per dot	13	mA			
Derating Linear From 25 ^o C Per dot	0.17	mA/ ⁰ C			
Reverse Voltage Per dot	5	V			
Operating Temperature Range	-35° C to $+85^{\circ}$ C				
Storage Temperature Range	-35°C to +85°C				
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260°C					

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

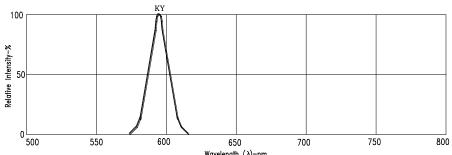
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	1650	3400		μcd	I _P =32mA , 1/16Duty
Peak Emission Wavelength	λр		595		nm	I _F =20mA
Spectral Line Half-Width	Δλ		15		nm	I _F =20mA
Dominant Wavelength	λd		592		nm	I _F =20mA
Forward Voltage Per dot	VF		2.05	2.6	V	I _F =20mA
Reverse Current Per dot	Ir			100	μΑ	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		I _P =32mA , 1/16Duty

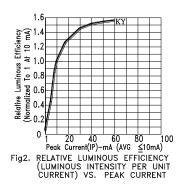
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

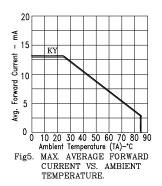
PAGE: 4 of 5 PART NO.: LTP-757KY

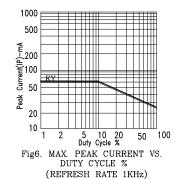
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)









NOTE: KY=AlInGaP AMBER YELLOW

PART NO.: LTP-757KY PAGE: 5 of 5