

LITEON LITE-ON TECHNOLOGY CORPORATION

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LED DISPLAY

LTS-5603AG DATA SHEET

ITEM	DESCRIPTION	ISSUER	DATE
1	New	Meg	04/25/2000

PAGE: PART NO.: LTS-5603AG 1 of 7

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FEATURES

- *0.56-INCH (14.22-mm) 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 LTS-5603AG is a 0.56-inch (14.22-mm) digit height single digit seven-segment display. This device utilizes green LED chips, which are made from GaP on GaP substrate, and has a gray face and green segments.

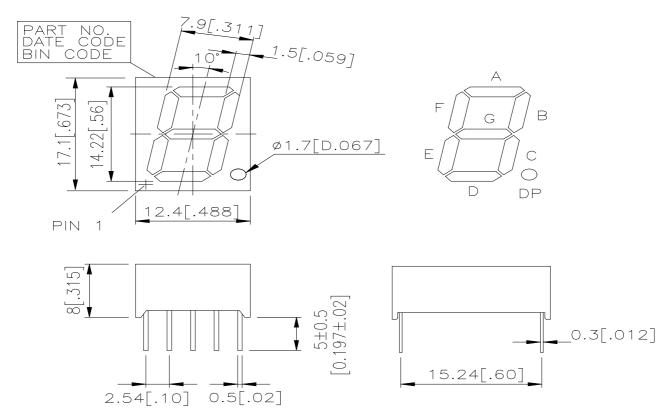
DEVICE

PART NO.	DESCRIPTION				
GREEN	Common Cathode				
LTS-5603AG	Rt. Hand Decimal				

PART NO.: LTS-5603AG PAGE: 2 of 7

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PACKAGE DIMENSIONS

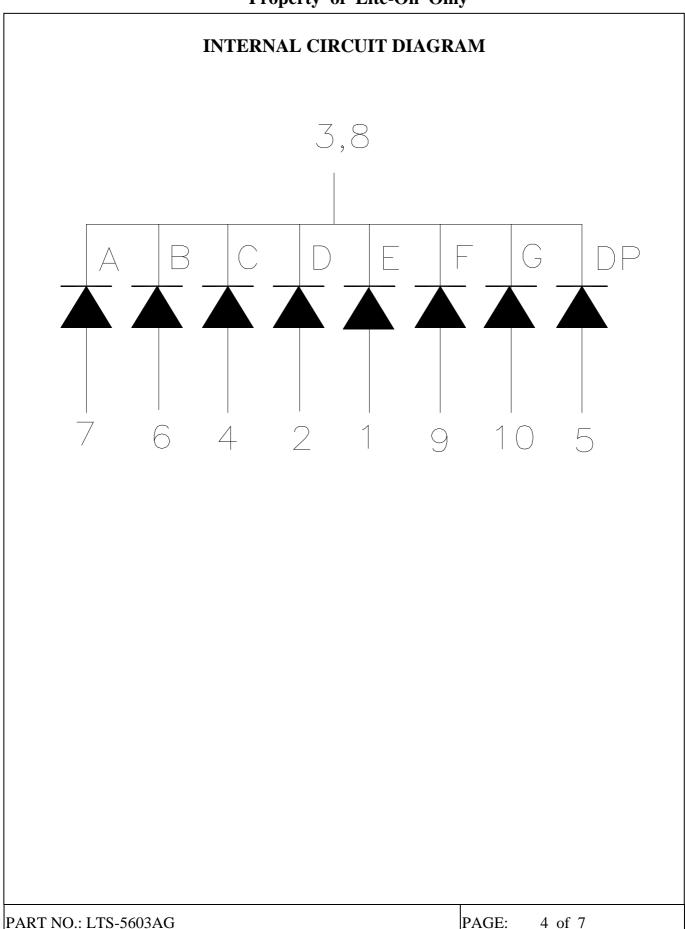


NOTES: All dimensions are in millimeters. Tolerance:± 0.25-mm (0.01") unless otherwise noted.

PART NO.: LTS-5603AG PAGE: 3 of 7

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BNS-OD-C131/A4



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PIN CONNECTION

No.	CONNECTION
1	ANODE E
2	ANODE D
3	COMMON CATHODE
4	ANODE C
5	ANODE D.P.
6	ANODE B
7	ANODE A
8	COMMON CATHODE
9	ANODE F
10	ANODE G

PAGE: 5 of 7 PART NO.: LTS-5603AG



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ABSOLUTE MAXIMUM RATING AT Ta=25°C

PARAMETER	MAXIMUM RATING	UNIT		
Power Dissipation Per Segment	75	mW		
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA		
Continuous Forward Current Per Segment	25	mA		
Derating Linear From 25 ^o C Per Segment	0.33	mA/ ⁰ C		
Reverse Voltage Per Segment	5	V		
Operating Temperature Range	-35° C to $+85^{\circ}$ C			
Storage Temperature Range	-35° C to $+85^{\circ}$ C			
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 260°C				

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

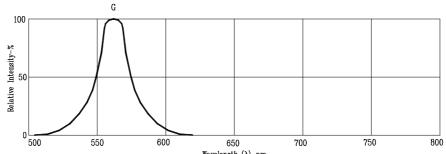
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	800	2400		μcd	I _F =10mA
Peak Emission Wavelength	λр		565		nm	I _F =20mA
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA
Dominant Wavelength	λd		569		nm	I _F =20mA
Forward Voltage Per Segment	VF		2.1	2.6	V	I _F =20mA
Reverse Current Per Segment	IR			100	μΑ	V _R =5V
Luminous Intensity Matching Ratio	Iv-m			2:1		I _F =10mA

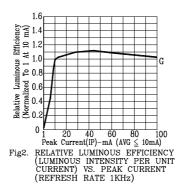
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclariage) eye-response curve.

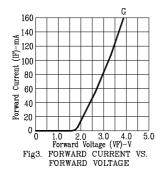
PART NO.: LTS-5603AG PAGE: 6 of 7

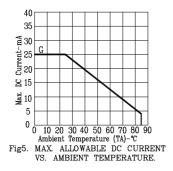
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

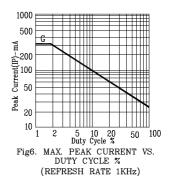
(25°C Ambient Temperature Unless Otherwise Noted)











NOTE: G=GREEN

PART NO.: LTS-5603AG PAGE: 7 of 7