



LED Display

Product Data Sheet

LTC-5674JG

Spec No.: DS30-2004-252

Effective Date: 10/29/2004

Revision: -

LITE-ON DCC

RELEASE

FEATURES

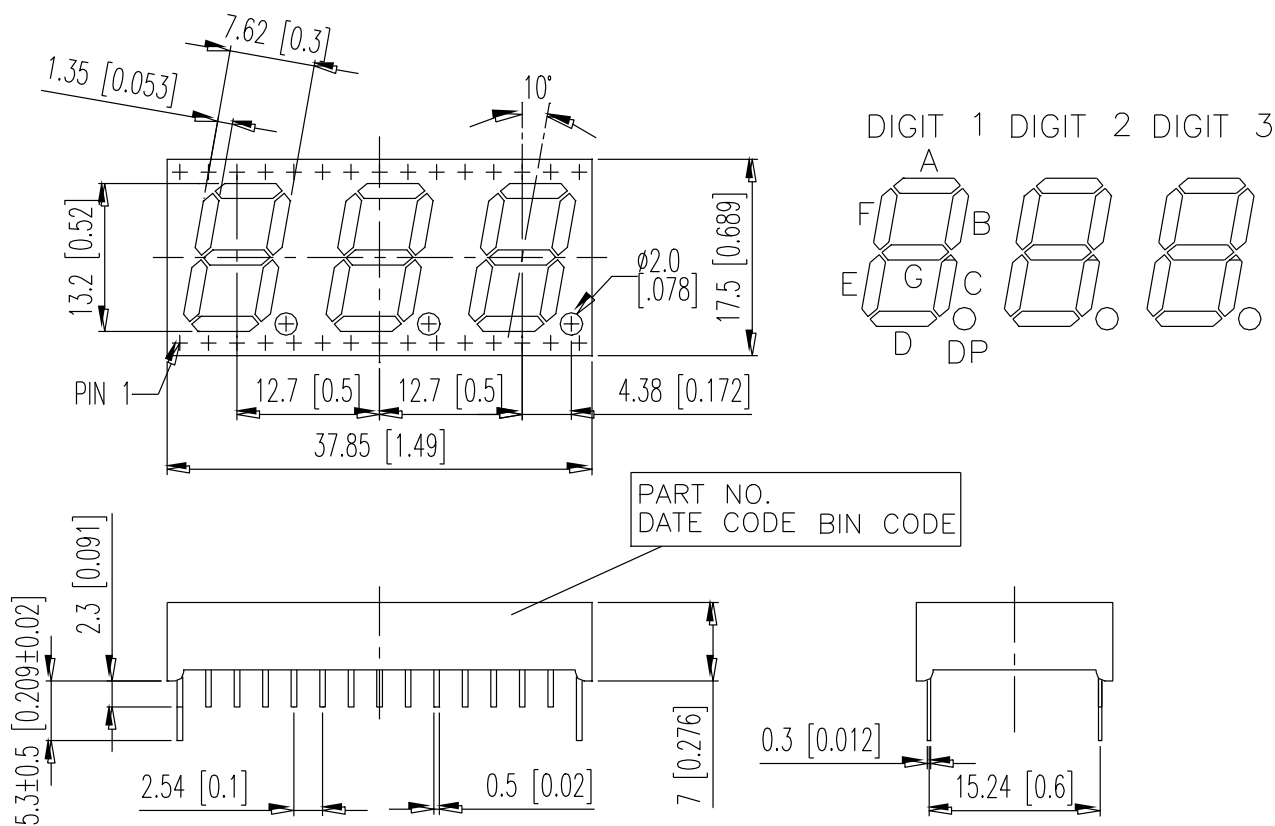
- * 0.52 inch (13.2 mm) DIGIT HEIGHT
- * CONTINUOUS UNIFORM SEGMENTS
- * LOW POWER REQUIREMENT
- * EXCELLENT CHARACTERS APPEARANCE
- * HIGH BRIGHTNESS & HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY
- * CATEGORIZED FOR LUMINOUS INTENSITY
- * **LEAD-FREE PACKAGE**

DESCRIPTION

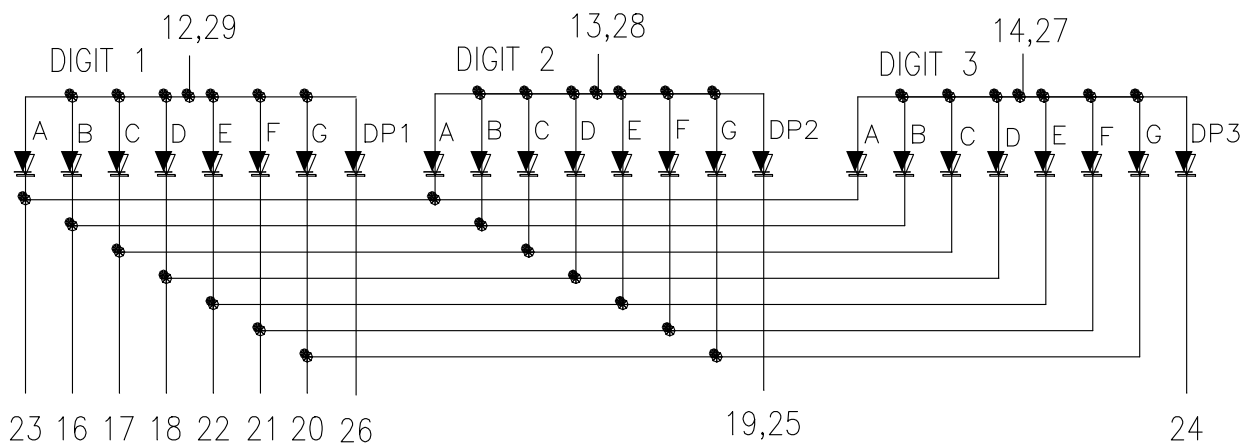
The LTC-5674JG is a 0.52 inch (13.2 mm) digit height triple LED display. This device uses AS-AlInGaP GREEN LED chips(AlInGaP on a non-transparent GaAs substrate).The display has gray face and white segments.

DEVICE

PART NO.	DESCRIPTION
AlInGaP GREEN	Common Anode Rt. Hand Decimal
LTC-5674JG	

PACKAGE DIMENSIONS

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

INTERNAL CIRCUIT DIAGRAM

PIN CONNECTION

NO.	CONNECTION	NO.	CONNECTION
1	NO CONNECTION	16	CATHODE B
2	NO CONNECTION	17	CATHODE C
3	NO CONNECTION	18	CATHODE D
4	NO CONNECTION	19	CATHODE DP (DIGIT 2)
5	NO CONNECTION	20	CATHODE G
6	NO CONNECTION	21	CATHODE F
7	NO CONNECTION	22	CATHODE E
8	NO CONNECTION	23	CATHODE A
9	NO CONNECTION	24	CATHODE DP (DIGIT 3)
10	NO CONNECTION	25	CATHODE DP (DIGIT 2)
11	NO CONNECTION	26	CATHODE DP (DIGIT 1)
12	COMMON ANODE DIGIT 1	27	COMMON ANODE DIGIT 3
13	COMMON ANODE DIGIT 2	28	COMMON ANODE DIGIT 2
14	COMMON ANODE DIGIT 3	29	COMMON ANODE DIGIT 1
15	NO CONNECTION	30	NO CONNECTION

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	70	mW
Peak Forward Current Per Segment (Frequency 1Khz, 10% duty cycle)	60	mA
Continuous Forward Current Per Segment	25	mA
Forward Current Derating from 25 ⁰ C	0.33	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +85°C	
Storage Temperature Range	-35°C to +85°C	
Soldering Conditions : 1/16 inch below seating plane for 3 seconds at 260 ⁰ C		

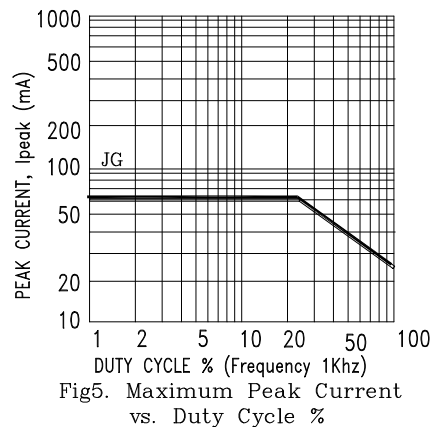
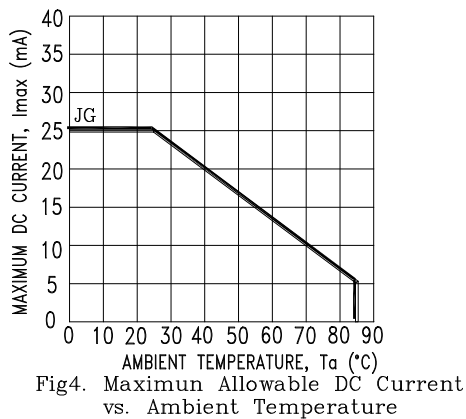
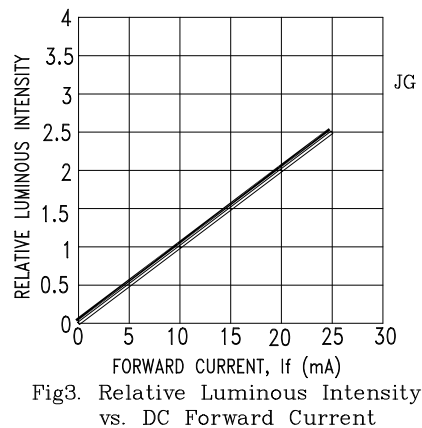
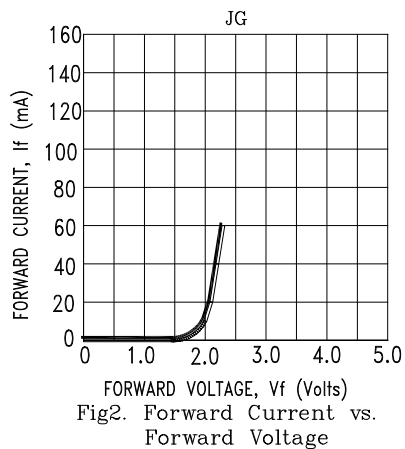
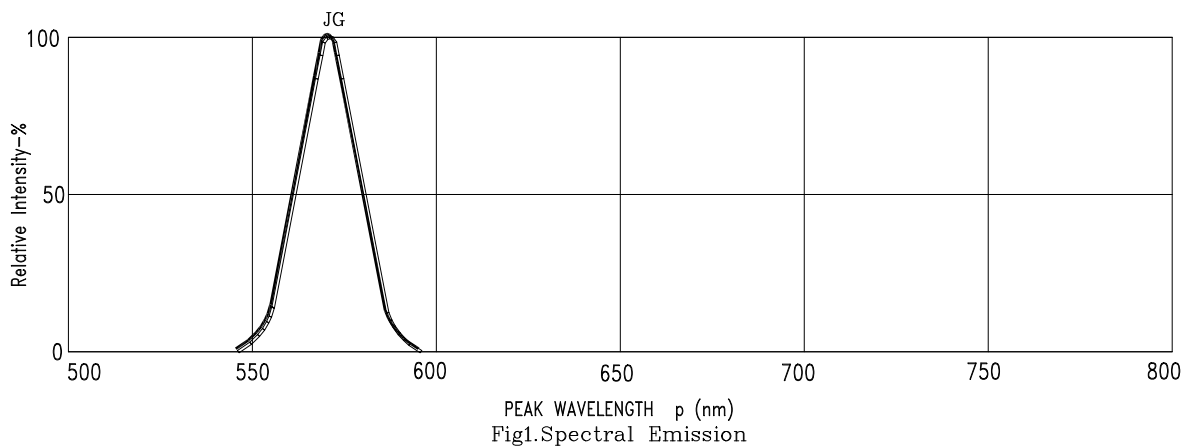
ELECTRICAL / OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	I _v	200	577 6346		μcd μcd	I _F =1mA I _F =10mA
Peak Emission Wavelength	λ _p		571		nm	I _F =20mA
Spectral Line Half-Width	Δλ		15		nm	I _F =20mA
Dominant Wavelength	λ _d		572		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.1	2.6	V	I _F =20mA
Reverse Current Per Segment	I _R			100	μA	V _R =5V
Luminous Intensity Matching Ratio	I _v -m			2:1		I _F =1mA

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

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)



NOTE : JG=AlInGaP Green