

FEATURES

- * 0.33 inch (8.5 mm) DIGIT HEIGHT
- * EXCELLENT SEGMENT UNIFORMITY
- * LOW POWER REQUIREMENT
- * HIGH BRIGHTNESS AND HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY

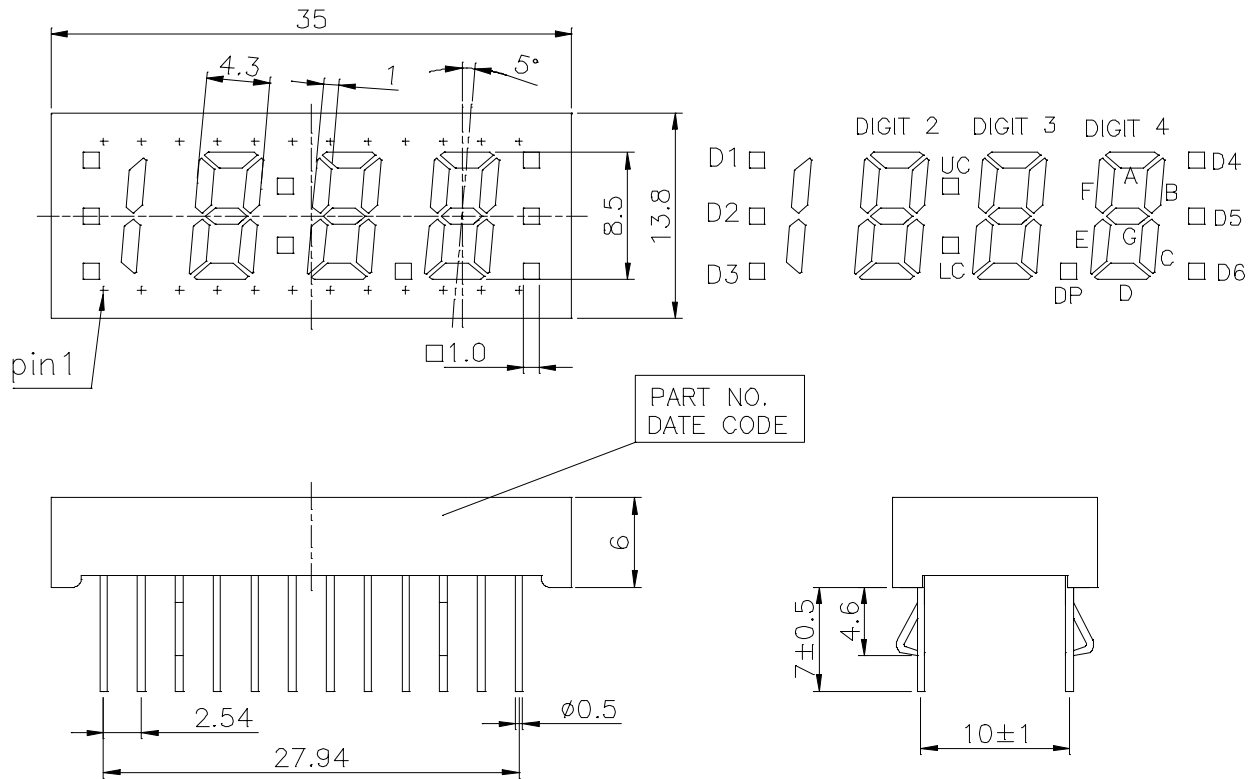
DESCRIPTION

The LTC-3718G-01 is a 0.3 inch (8.5 mm) digit height quadruple digit seven-segment display. This device uses GREEN LED chips (GaP epi on GaP substrate). The display has black face and white segments.

DEVICE

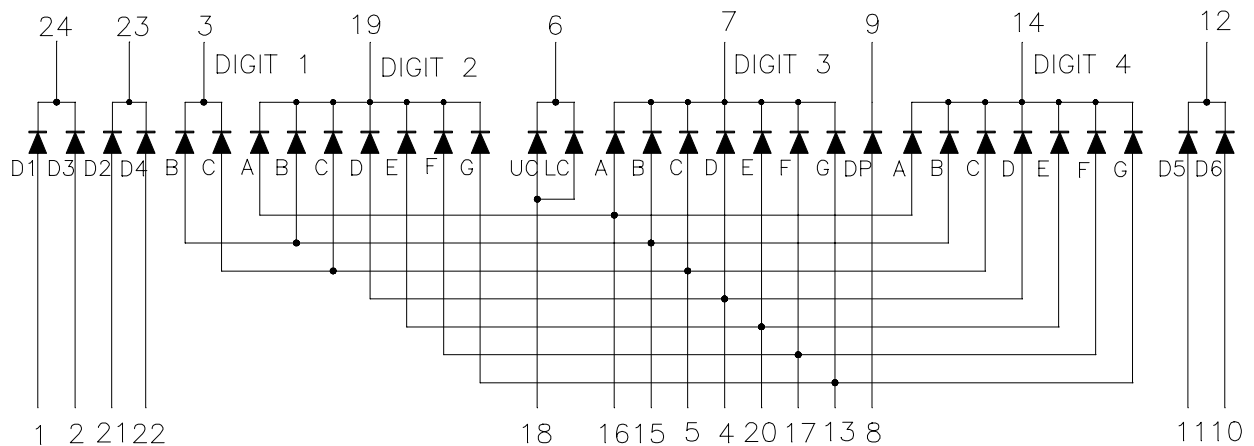
PART NO.	DESCRIPTION
GREEN	Multiplex Common Cathode Rt. Hand Decimal
LTC-3718G-01	

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
1	ANODE D1
2	ANODE D3
3	COMMON CATHODE DIGIT 1
4	ANODE D
5	ANODE C
6	CATHODE UC,LC
7	COMMON CATHODE DIGIT 3
8	ANODE DP
9	CATHODE DP
10	ANODE D6
11	ANODE D5
12	CATHODE D5,D6
13	ANODE G
14	COMMON CATHODE DIGIT 4
15	ANODE B
16	ANODE A
17	ANODE F
18	ANODE UC,LC
19	COMMON CATHODE DIGIT 2
20	ANODE E
21	ANODE D2
22	ANODE D4
23	CATHODE D2,D4
24	CATHODE D1,D3

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (Frequency 1Khz, 10% duty cycle)	100*	mA
Continuous Forward Current Per Segment	25	mA
Forward Current From 25°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°C		

* see figure 5 to establish pulsed condition

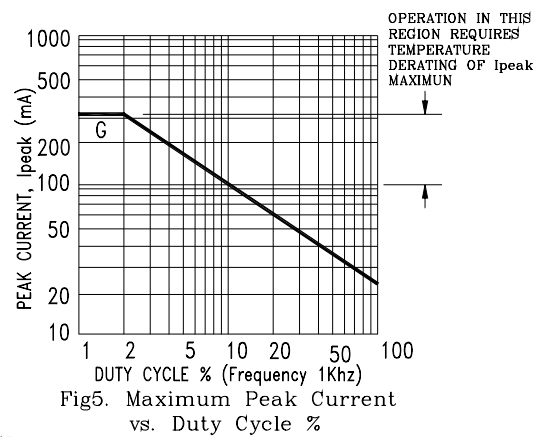
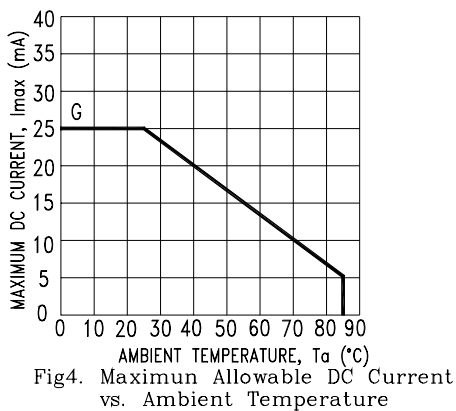
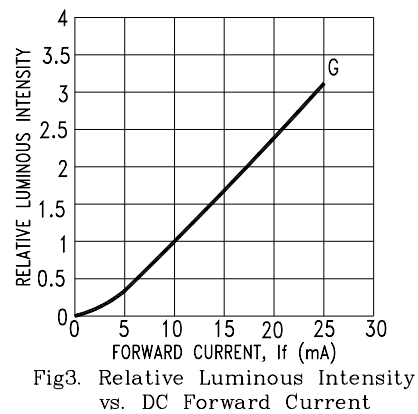
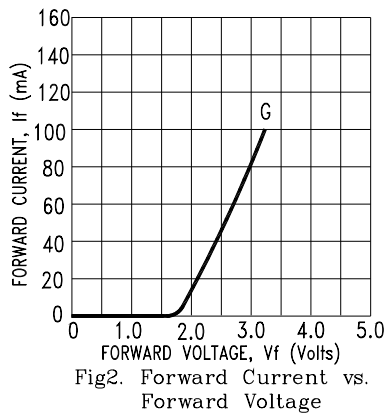
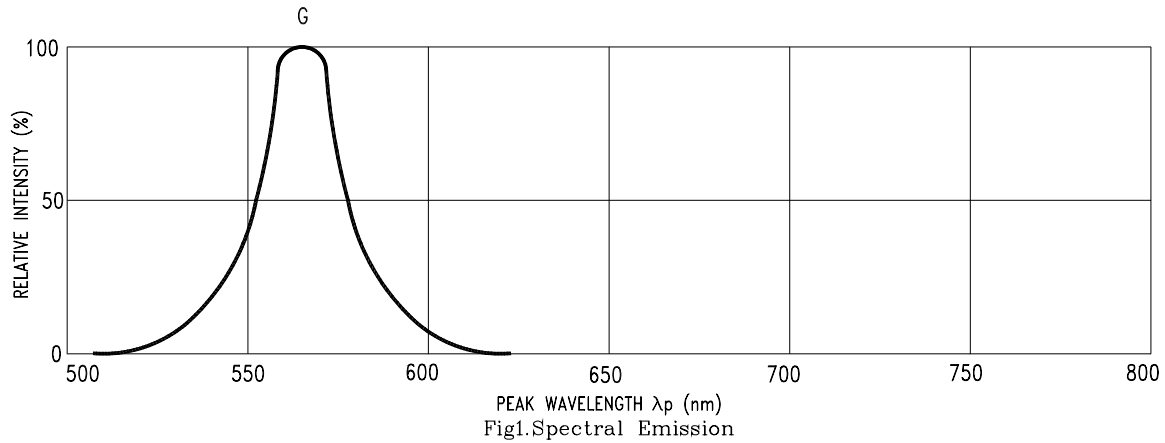
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	I _v	500	1800		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		565		nm	I _F =20mA
Spectral Line Half-Width	Δλ		30		nm	I _F =20mA
Dominant Wavelength	λ _d		569		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 =10mA

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: G=GREEN.