

FEATURES

- * 0.8 inch (20.32 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

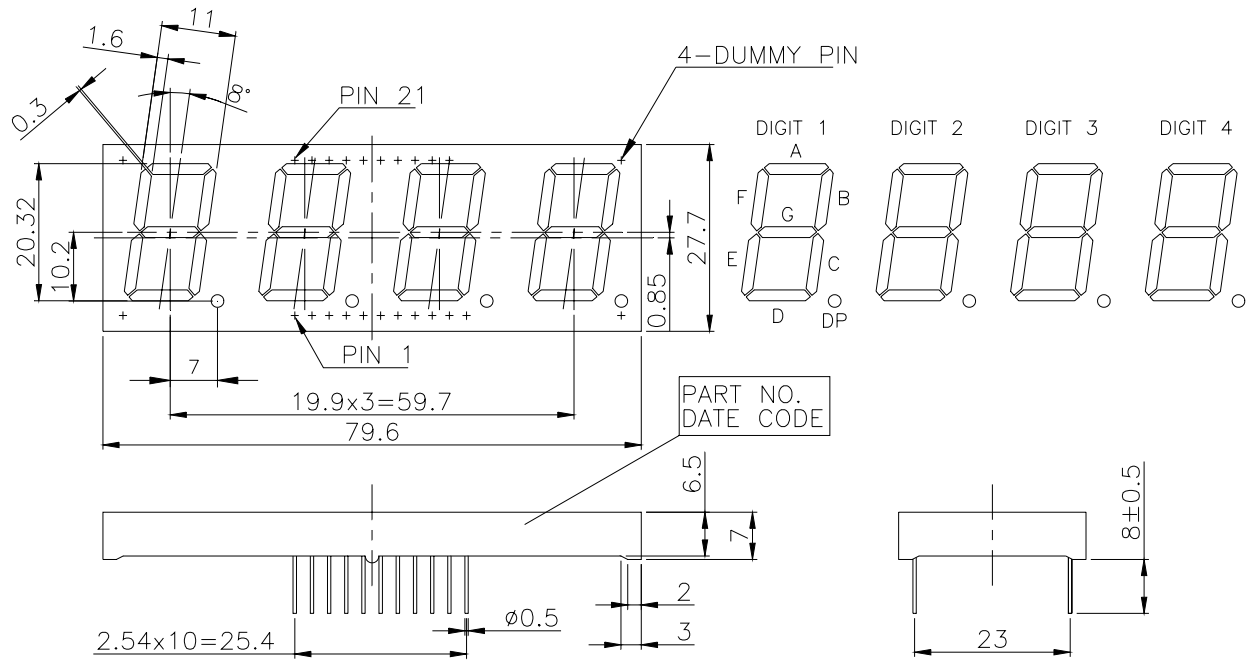
DESCRIPTION

The LTC-8706JG is a 0.8 inch (20.32 mm) digit height quadruple digit seven-segment display. This device uses AS-AllnGaP GREEN LED chips (AllnGaP epi on GaAs substrate). The display has gray face and white segments.

DEVICE

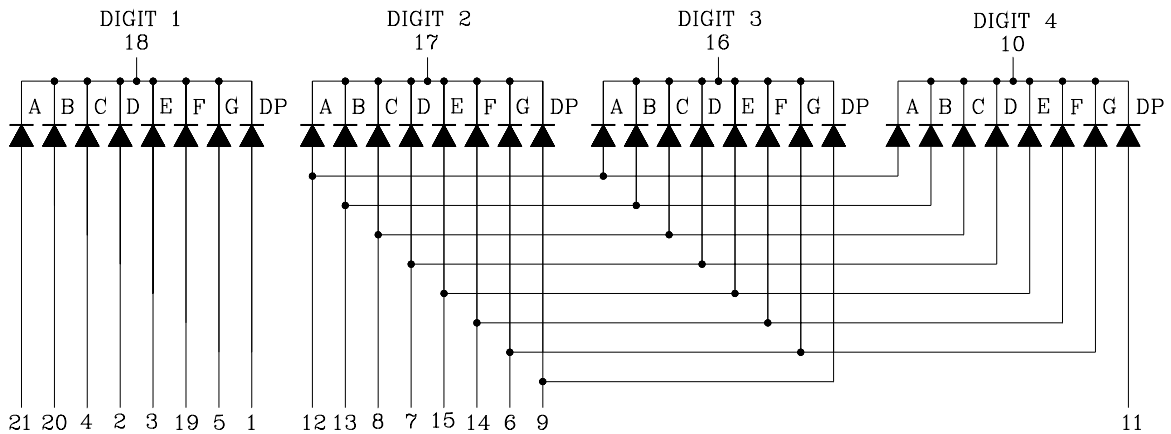
PART NO.	DESCRIPTION
GREEN	Multiplex
LTC-8706JG	Common Cathode

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 DP (DIGIT 1)
2	ANODE D (DIGIT 1)
3	ANODE E (DIGIT 1)
4	ANODE C (DIGIT 1)
5	ANODE G (DIGIT 1)
6	ANODE G (DIGIT 2,3,4)
7	ANODE D (DIGIT 2,3,4)
8	ANODE C (DIGIT 2,3,4)
9	ANODE DP (DIGIT 2,3)
10	COMMON CATHODE DIGIT 4
11	ANODE DP (DIGIT 4)
12	ANODE A (DIGIT 2,3,4)
13	ANODE B (DIGIT 2,3,4)
14	ANODE F (DIGIT 2,3,4)
15	ANODE E (DIGIT 2,3,4)
16	COMMON CATHODE DIGIT 3
17	COMMON CATHODE DIGIT 2
18	COMMON CATHODE DIGIT 1
19	ANODE F (DIGIT 1)
20	ANODE B (DIGIT 1)
21	ANODE A (DIGIT 1)

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	70	mW
Peak Forward Current Per Segment (Frequency 1Khz, 25% duty cycle)	60	mA
Continuous Forward Current Per Segment	25	mA
Forward Current Derating from 25 ⁰ C	0.33	mA/
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35 to +85	
Storage Temperature Range	-35 to +85	
Solder Temperature: max 260 for max 3sec at 1.6mm[1/16inch] below seating plane.		

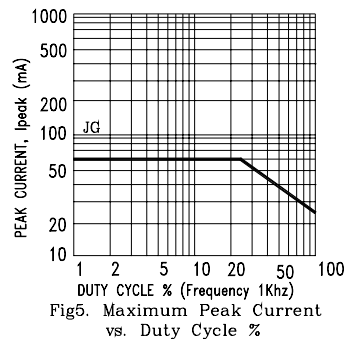
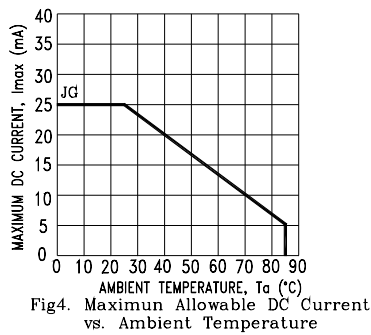
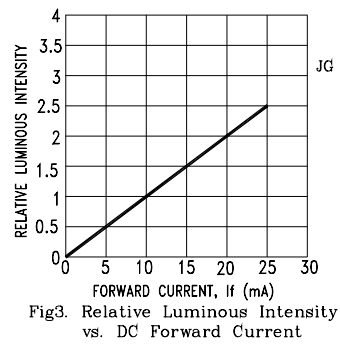
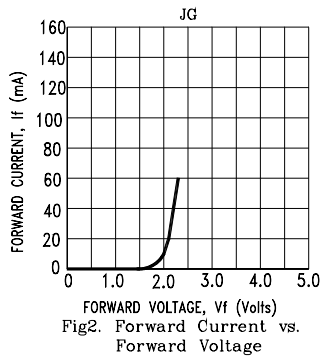
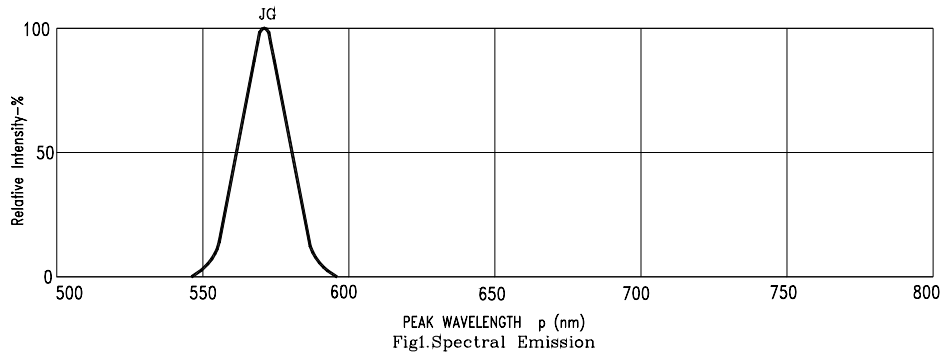
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	I _v	630	1650		μcd	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		2.05	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 : JG=AlInGaP Green