

FEATURES

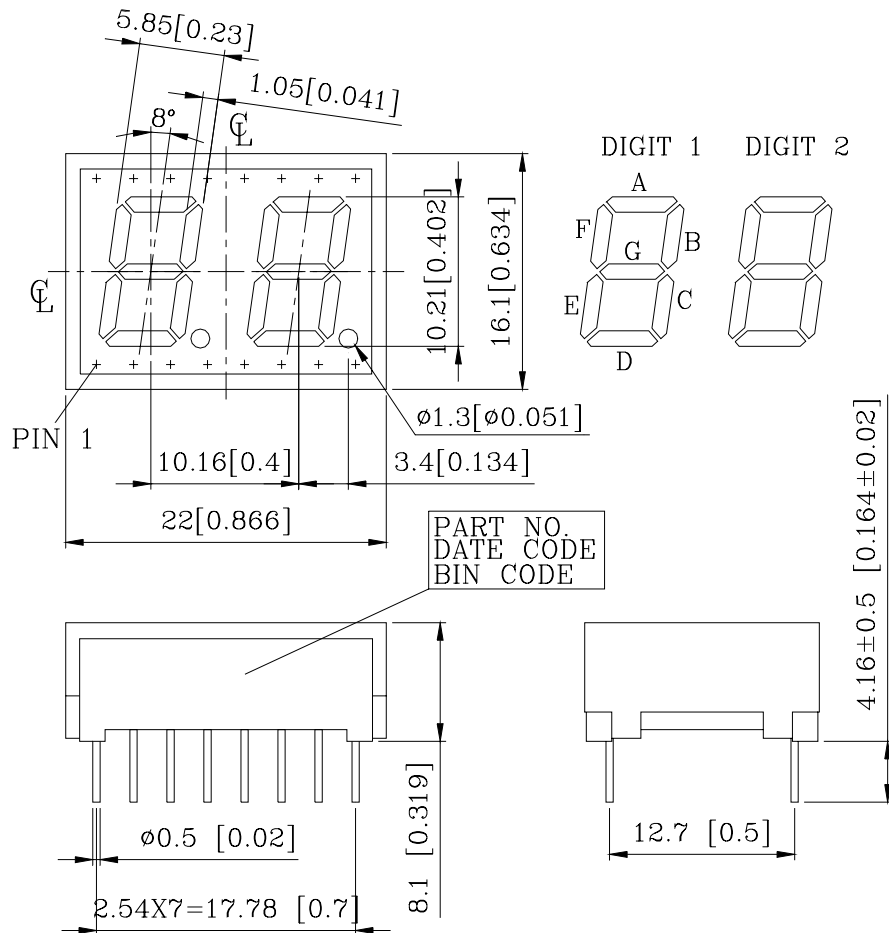
- * 0.40 inch (10.21 mm) DIGIT HEIGHT
- * EXCELLENT SEGMENT UNIFORMITY
- * LOW POWER REQUIREMENT
- * HIGH BRIGHTNESS AND HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY
- * BINNED FOR LUMINOUS INTENSITY
- *

DESCRIPTION

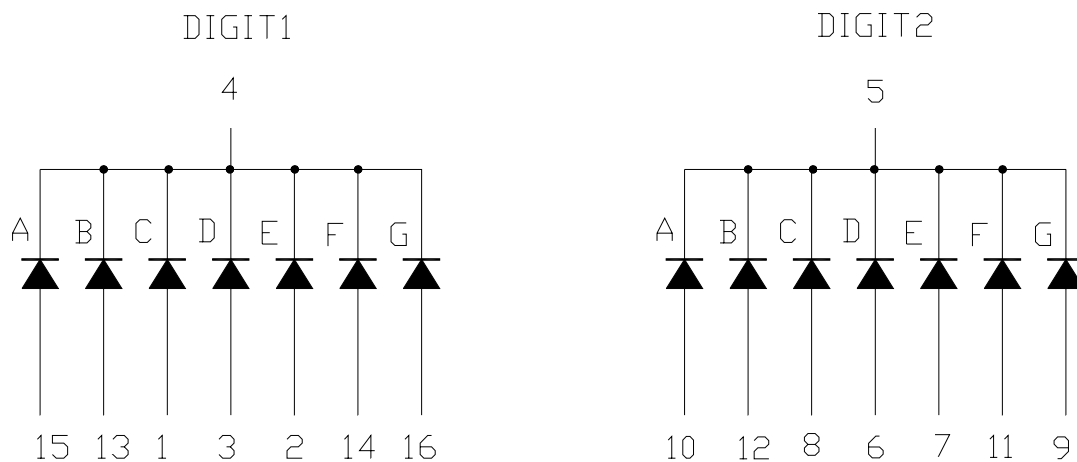
The LTD-432PC is a 0.40 inch (10.21 mm) digit height dual digit seven-segment display. This device uses BRIGHT RED LED chips (GaP epi on GaP substrate) and have red cap.

DEVICE

PART NO.	DESCRIPTION
BRIGHT RED	COMMON CATHODE
LTD-432PC	

PACKAGE DIMENSIONS


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

INTERNAL CIRCUIT DIAGRAM


PIN CONNECTION

No.	CONNECTION
1	ANODE C (DIGIT 1)
2	ANODE E (DIGIT 1)
3	ANODE D (DIGIT 1)
4	COMMON CATHODE (DIGIT 1)
5	COMMON CATHODE (DIGIT 2)
6	ANODE D (DIGIT 2)
7	ANODE E (DIGIT 2)
8	ANODE C(DIGIT 2)
9	ANODE G (DIGIT 2)
10	ANODE A (DIGIT 2)
11	ANODE F (DIGIT 2)
12	ANODE B (DIGIT 2)
13	ANODE B (DIGIT 1)
14	ANODE F (DIGIT 1)
15	ANODE A (DIGIT 1)
16	ANODE G (DIGIT 1)

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	40	mW
Peak Forward Current Per Segment (Frequency 1Khz, 10% duty cycle)	60*	mA
Continuous Forward Current Per Segment	15	mA
Derating Linear From 25°C Per Segment	0.2	mA/°C
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +85°C	
Storage Temperature Range	-35°C to +85°C	
Solder Temperature: max 260°C for max 3sec at 1.6mm[1/16inch] below seating plane.		

* see figure 5 to establish pulsed condition

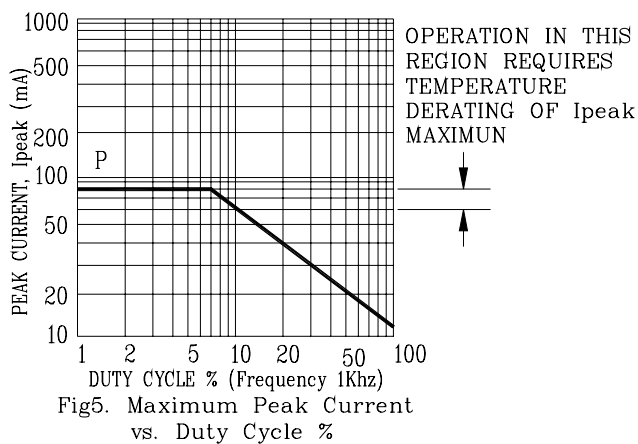
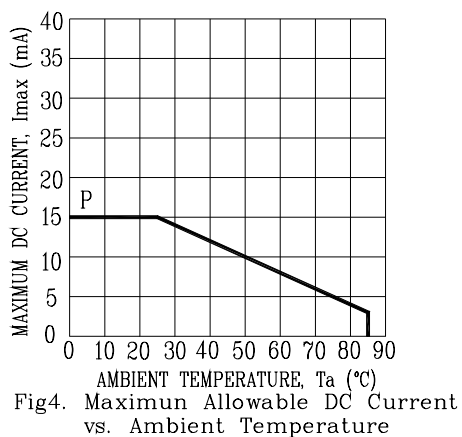
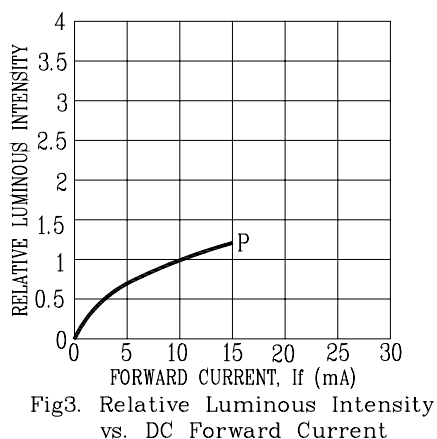
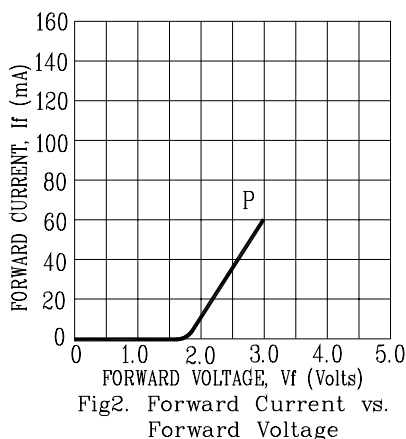
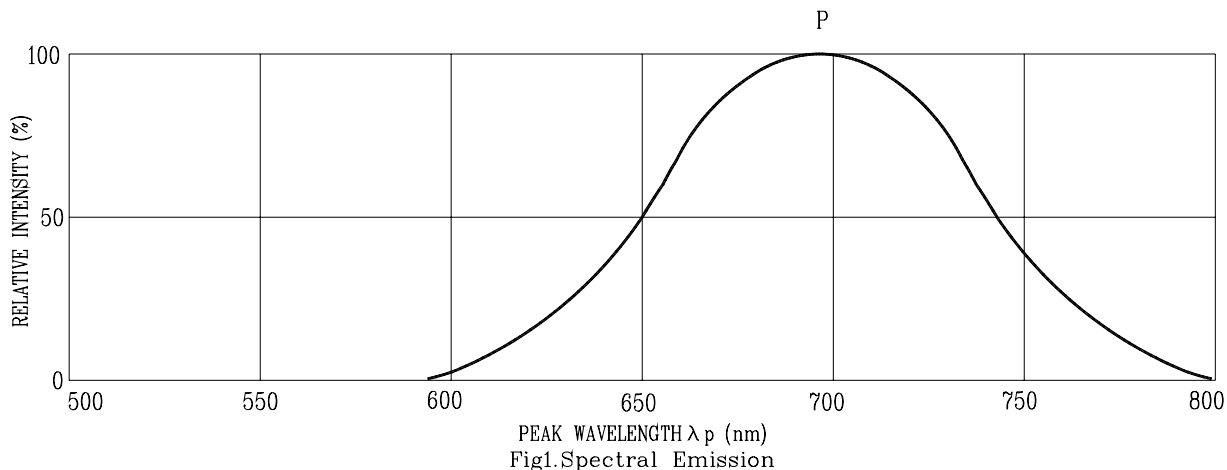
ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	I _v	200	500		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		697		nm	I _F =20mA
Spectral Line Half-Width	Δλ		90		nm	I _F =20mA
Dominant Wavelength	λ _d		657		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 : P=BRIGHT RED