

FEATURE

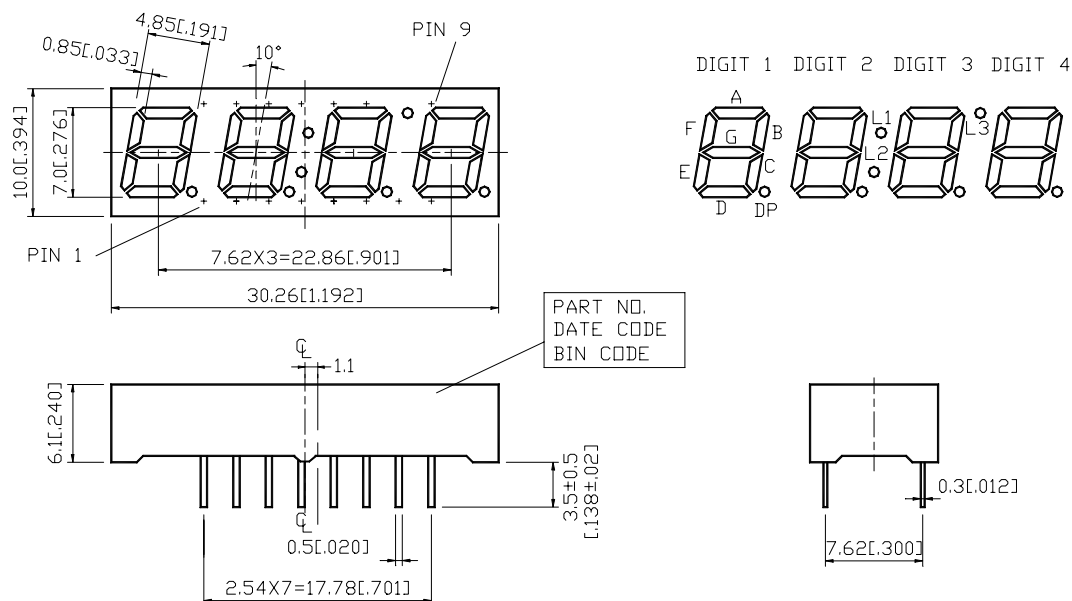
- * 0.28 INCH (7.0 mm) DIGIT HEIGHT.
- * CONTINUOUS UNIFORM SEGMENTS.
- * LOW POWER REQUIREMENT.
- * EXCELLENT CHARACTERS APPEARANCE.
- * HIGH BRIGHTNESS & HIGH CONTRAST.
- * WIDE VIEWING ANGLE.
- * SOLID STATE RELIABILITY.
- * CATEGORIZED FOR LUMINOUS INTENSITY.

DESCRIPTION

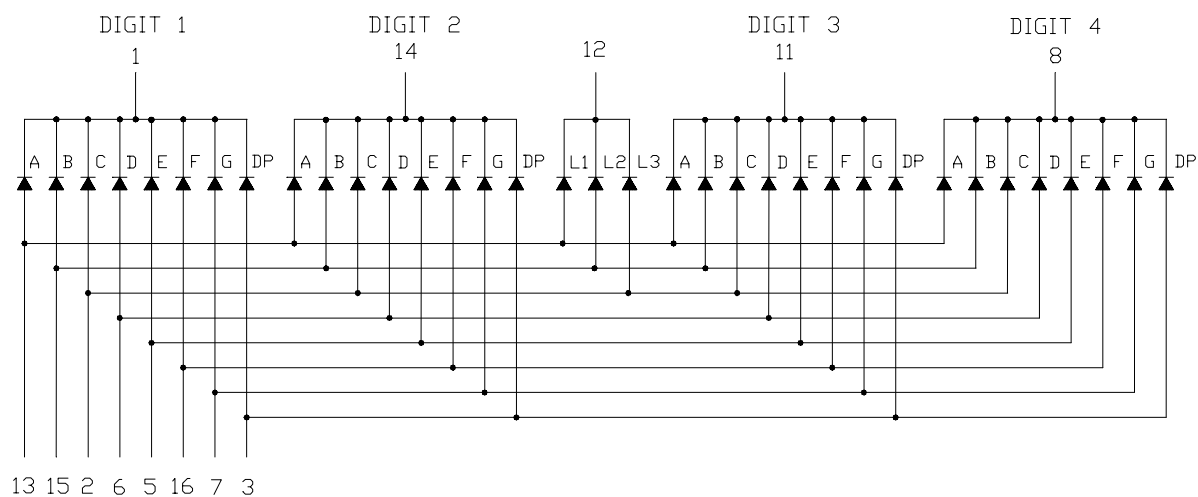
The LTC-2723E is a 0.28 inch (7.0mm) height quadruple digits display. This device utilizes red orange LED chips which are made from GaAsP on a transparent GaP substrate, and has a gray face and white segment .

DEVICE

PART NO.	DESCRIPTION
Red Orange	Multiplex Common Cathode Rt. Hand Decimal
LTC-2723E	

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	COMMON CATHODE DIGIT 1
2	ANODE C,L3
3	ANODE D.P.
4	NO CONNECTION
5	ANODE E
6	ANODE D
7	ANODE G
8	COMMON CATHODE DIGIT 4
9	NO CONNECTION
10	NO PIN
11	COMMON CATHODE DIGIT 3
12	COMMON CATHODE L1,L2,L3
13	ANODE A,L1
14	COMMON CATHODE DIGIT 2
15	ANODE B,L2
16	ANODE F

ABSOLUTE MAXIMUM RATING AT T_A=25°C

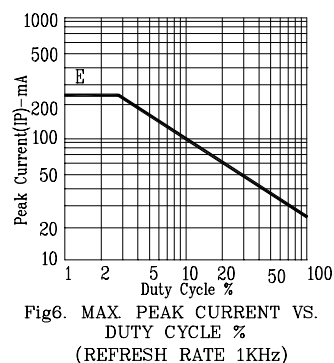
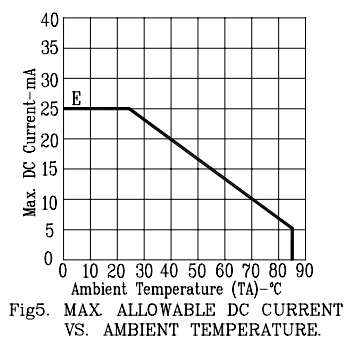
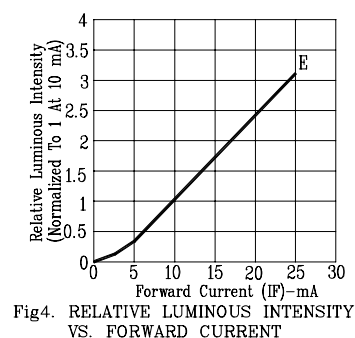
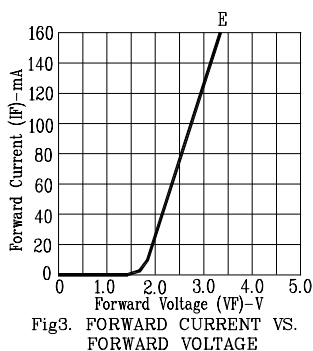
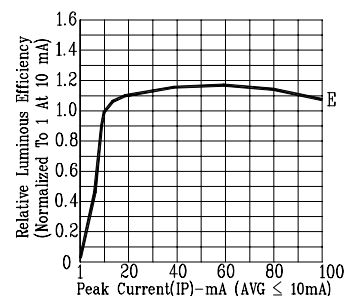
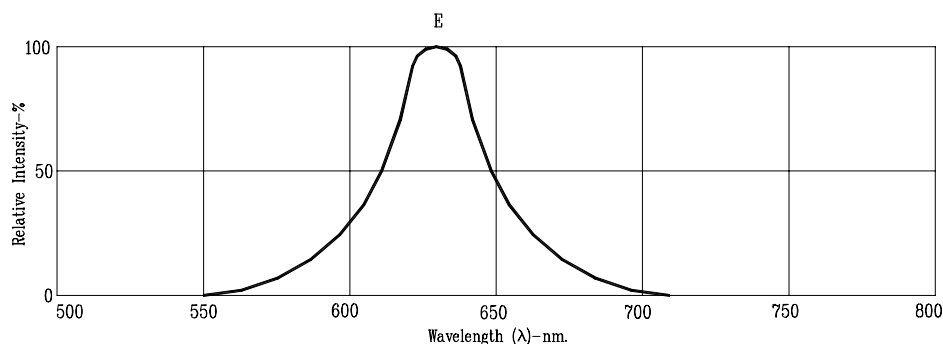
PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current Per Segment	25	mA
Derating Linear From 25 ⁰ C Per Segment	0.33	mA/ ⁰ C
Reverse Voltage Per Segment	5	V
Operating Temperature Range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

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	I _v	800	2000		μcd	I _F =10mA
Peak Emission Wavelength	λ _p		630		nm	I _F =20mA
Spectral Line Half-Width	Δλ		40		nm	I _F =20mA
Dominant Wavelength	λ _d		621		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.0	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 CHARACTERISTICS CURVES (25°C Ambient Temperature Unless Otherwise Note)



NOTE: E=RED ORANGE

Mouser Electronics

Authorized Distributor

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[LTC-2723E](#)