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FEATURES

* 0.5 inch (12.7 mm) DIGIT HEIGHT * CONTINUOUS UNIFORM SEGMENTS * LOW POWER REQUIREMENT * EXCELLENT CHARACTERS APPEARANCE * HIGH BRIGHTNESS & HIGH CONTRAST * WIDE VIEWING ANGLE * SOLID STATE RELIABILITY

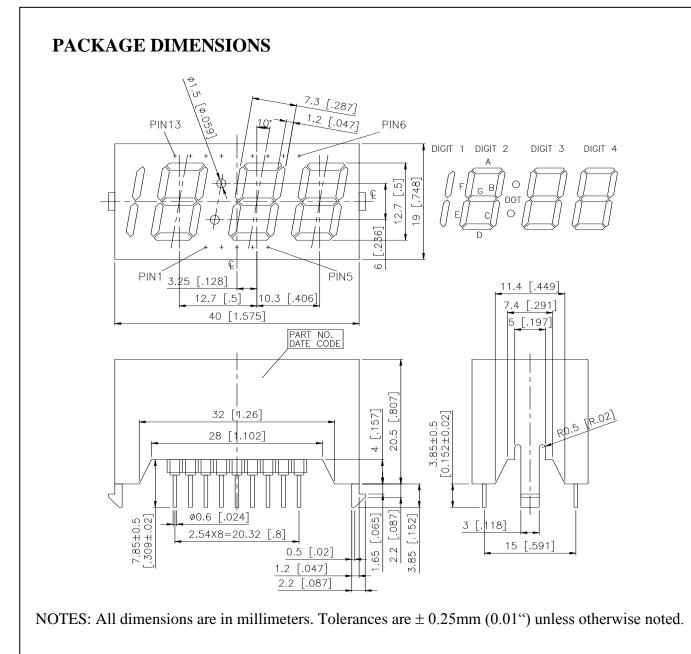
DESCRIPTION

The LTC-5665AG is a 0.5 inch (12.7 mm) digit height quadruple digit seven-segment display. This device uses GREEN LED chips (GaP epi on GaP substrate). The display has a black face and white segments.

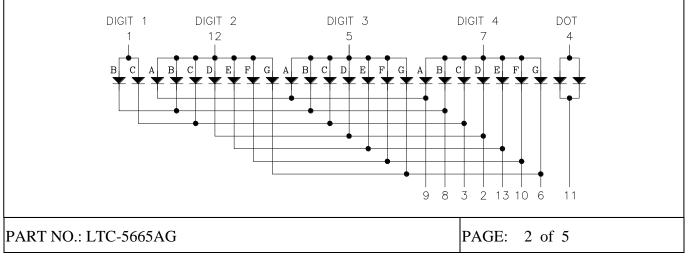
DEVICE

PART NO.	DESCRIPTION			
GREEN				
LTC-5665AG	Multiplex Common Anode			

PART NO.: LTC-5665AG



INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

No	CONNECTION			
1	Common Anode (Digit 1)			
2	Cathode D			
3	Cathode C			
4	Common Anode (Dot)			
5	Common Anode (Digit 3)			
6	Cathode G			
7	Common Anode (Digit 4)			
8	Cathode B			
9	Cathode A			
10	Cathode F			
11	Cathode Dot			
12	Common Anode (Digit 2)			
13	Cathode E			

PART NO.: LTC-5665AG

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 Derating from 25 ⁰ C	0.33	mA/ ⁰ C				
Reverse Voltage Per Segment	5	V				
Operating Temperature Range	-35° C to $+85^{\circ}$ C					
Storage Temperature Range $-35^{\circ}C$ to $+85^{\circ}C$						
Soldering Conditions : 1/16 inch below seating plane for 3 seconds at 260 ⁰ C						

* see figure 5 to establish pulsed condition

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN	ТҮР	MAX	UNIT	TEST CONDITION
Average Luminous Intensity Per Segment	Iv	800	2200		μcd	$I_F = 10 mA$
Peak Emission Wavelength	λp		565		nm	$I_F = 20 mA$
Spectral Line Half-Width	Δλ		30		nm	$I_F = 20 mA$
Dominant Wavelength	λd		569		nm	$I_F = 20 mA$
Forward Voltage Per Segment	VF		2.1	2.6	V	$I_F = 20 mA$
Reverse Current Per Segment	Ir			100	μA	$V_R = 5V$
Luminous Intensity Matching Ratio	Iv-m			2:1		$I_F = 10 mA$

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

