



0.25 inch (6.35mm) 3 DIGIT DISPLAY

MAN59407

AllnGaP Red

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Rating	Unit
Operating Temperature	T_{OPR}	-40 to +85	$^\circ\text{C}$
Storage Temperature	T_{STG}	-40 to +85	$^\circ\text{C}$
Lead Soldering Time	T_{SOL}	260 for 3 sec	$^\circ\text{C}$
Continuous Forward Current	I_F	30	mA
Peak Forward Current ($f = 1.0\text{ KHz}$, Duty Factor = 1/10)	I_F	130	mA
Reverse Voltage	V_R	5	V
Power Dissipation (Per Segment)	P_D	72	mW

ELECTRICAL / OPTICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$)

Part Number	MAN59407	Condition
Luminous Intensity (μcd) Minimum	1000	$I_F = 2\text{ mA}$
Forward Voltage (V) Maximum	2.2	$I_F = 2\text{ mA}$
Wavelength (nm) Peak	630	$I_F = 2\text{ mA}$
Dominant	623	
Spectral Line Half Width (nm)	20	$I_F = 2\text{ mA}$

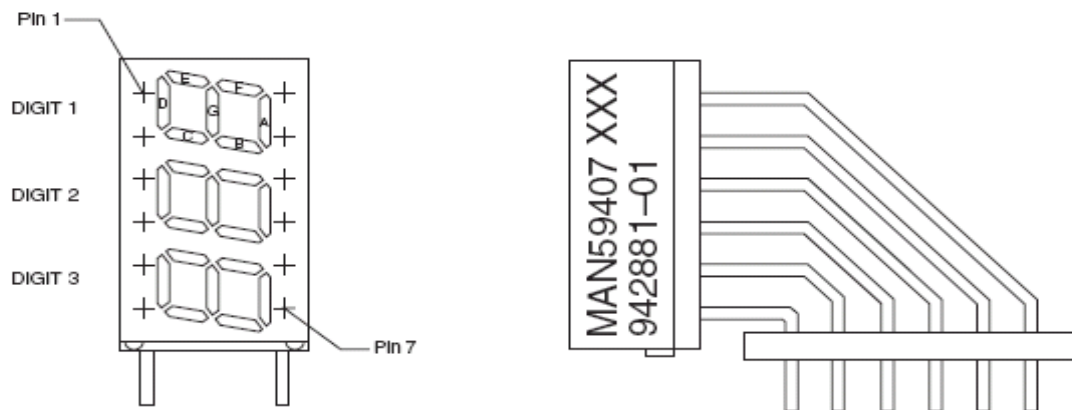
EVERLIGHT

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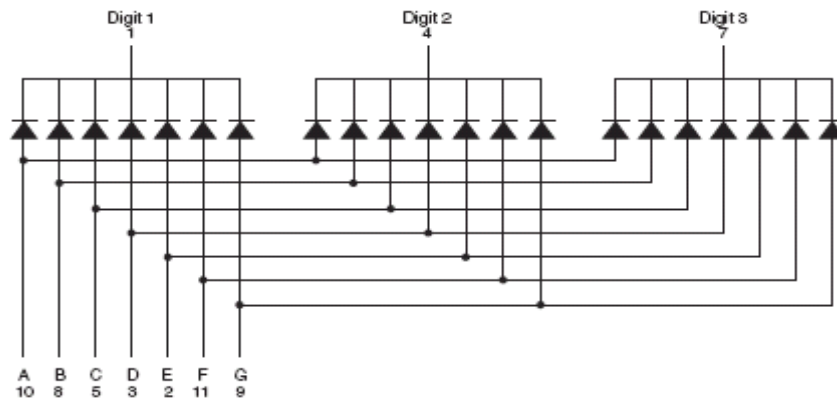
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PIN ORIENTATION, SEGMENT IDENTIFICATION, AND PRODUCT MARKING



SCHEMATICS



Common Cathode



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Pin-Out

Pin Number	MAN59407
1	Common Cathode Digit 1
2	Common Anode for Digit Segment 1E, 2E and 3E
3	Common Anode for Digit Segment 1D, 2D and 3D
4	Common Cathode Digit 2
5	Common Anode for Digit Segment 1C, 2C and 3C
6	Not Connected
7	Common Cathode Digit 3
8	Common Anode for Digit Segment 1B, 2B and 3B
9	Common Anode for Digit Segment 1G, 2G and 3G
10	Common Anode for Digit Segment 1A, 2A and 3A
11	Common Anode for Digit Segment 1F, 2F and 3F
12	Not Connected



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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.