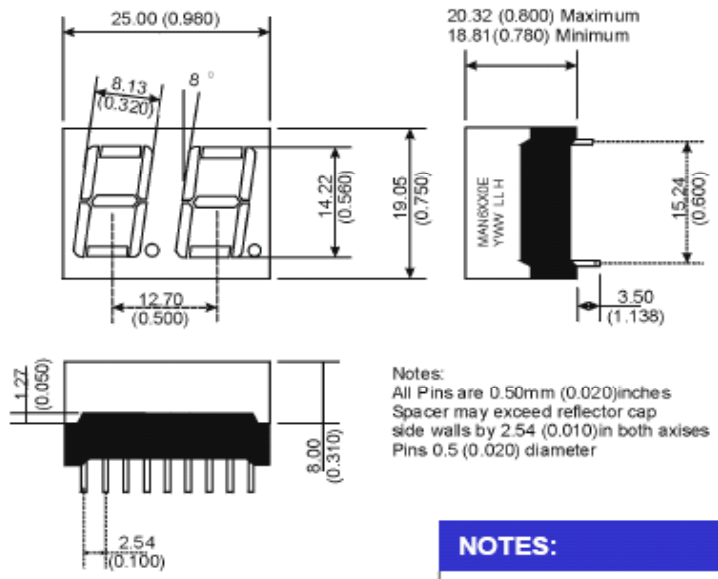
0.56 Inch (14.2mm) 2 Digit
NUMERIC STICK DISPLAY WITH SPACER

Green MAN6410E.3730

Issue 002 - 05192000

PACKAGE DIMENSIONS



Notes:
All Pins are 0.50mm (0.020)inches
Spacer may exceed reflector cap
side walls by 2.54 (0.010)in both axises
Pins 0.5 (0.020) diameter

NOTES:

- Dimensions are in mm (Inches)
- Tolerances are +/- 0.25 (0.010) unless otherwise stated.

FEATURES

- Bright Bold Segments
- Common Anode/Cathode
- Low Power Consumption
- Low Current Capability
- Neutral Segments
- Grey Face
- Epoxy Encapsulated PCB
- High Performance
- High Reliability

APPLICATIONS

- Appliances
- Automotive
- Instrumentation
- Process Control

MODELS AVAILABLE

Part Number	Colour	Description	Special
MAN6410E.3730	Green	Two Digit, RHDP, Common Anode	Spacer

(For other colour options, contact your local area Sales Manager)

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ABSOLUTE MAXIMUM RATINGS[1] (T_A = 25°C, unless otherwise specified)		
Part Number Parameter	MAN6410E.3730	Units
Continuous Forward Current (each segment)	30	mA
Peak Forward Current (F = 10KHz, D/F = 1/10)	90	mA
Power Dissipation (P_D)	70	mW
***Derate Linearly from 50°C**	0.33	mW
Reverse Voltage per Die		5 Volts
Operating and Storage Temperature Range		-40°C to +85°C
Lead soldering time (1/16 inch from standoffs)		5 seconds @ 230°C

ELECTRO-OPTICAL CHARACTERISTICS[1] (T_A = 25°C, unless otherwise specified)			
Part Number Parameter	MAN6410E.3730	Units	Test Condition
Luminous intensity[2] (I_V) Minimum (Standard Current)	800	ucd	I_F = 20mA
Typical (Standard Current)	2200	ucd	I_F = 20mA
Minimum (Low Current)	Not applicable		
Typical (Low Current)	Not applicable		
Forward Voltage (V_F) Typical (Standard Current)	2.10	Volts	I_F = 20mA
Maximum (Standard Current)	3.00	Volts	I_F = 20mA
Typical (Low Current)	Not applicable		
Maximum (Low Current)	Not applicable		
Peak Wavelength	570	nm	I_F = 10mA
Dominant Wavelength		nm	I_F = 10mA
Spectral Line 1/2 Width	30	nm	I_F = 10mA
Reverse B[3].Voltage (V_R)	5	Volts	I_R = 100uA

NOTES:
(1) Data per individual LED element
(2) Luminous intensity (ucd) = average light output per segment
(3) B = breakdown

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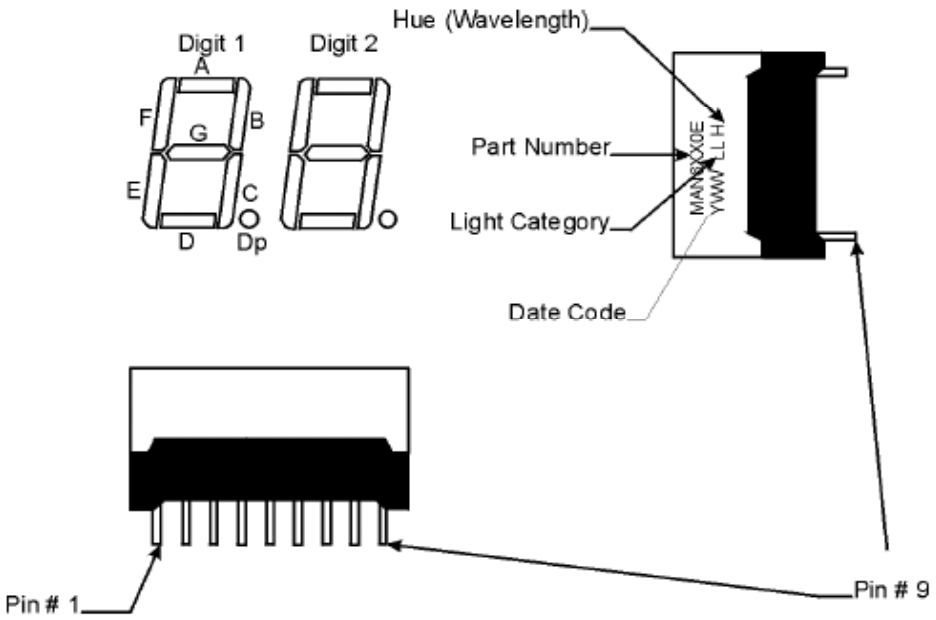
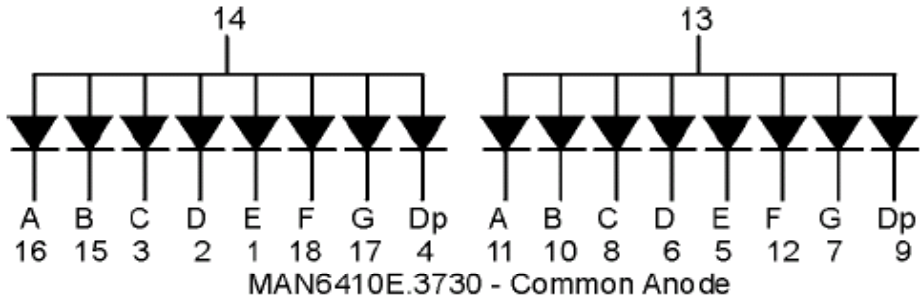
PIN ORIENTATION, SEGMENT IDENTIFICATION, AND PRODUCT MARKING



SCHEMATICS



MAN6410E.3730 - Common Anode

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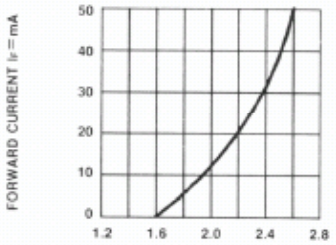
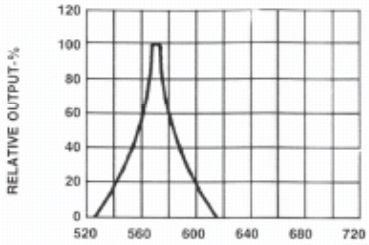
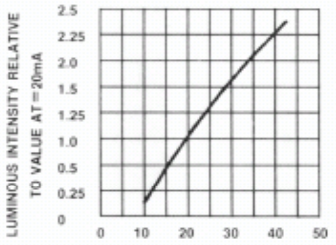
GRAPHICAL DATA Green 570nm (T_A = 25°C, unless otherwise specified)



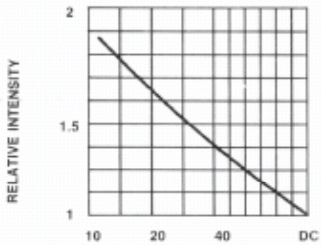
FORWARD VOLTAGE (VF)-VOLTS
Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE.



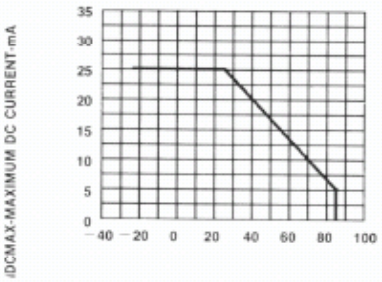
WAVELENGTH (λ)-nm
Fig.2 SPECTRAL RESPONSE



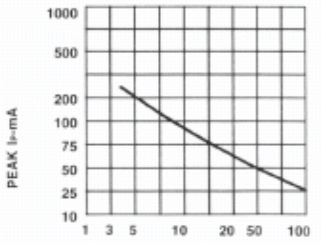
IF-FORWARD CURRENT-mA
Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



DUTY CYCLE % PER SEGMENT
(AVERAGE IF=10mA)
Fig.5 LUMINOUS INTENSITY VS. DUTY CYCLE



TA AMBIENT TEMPERATURE °C
Fig.4 MAXIMUM ALLOWABLE DC CURRENT PER SEGMENT CS. A FUNCTION OF AMBIENT TEMPERATURE.



DUTY CYCLE %
Fig. 6 MAX PEAK CURRENT VS. DUTY CYCLE %
(REFRESH RATE f=1 KHz)