

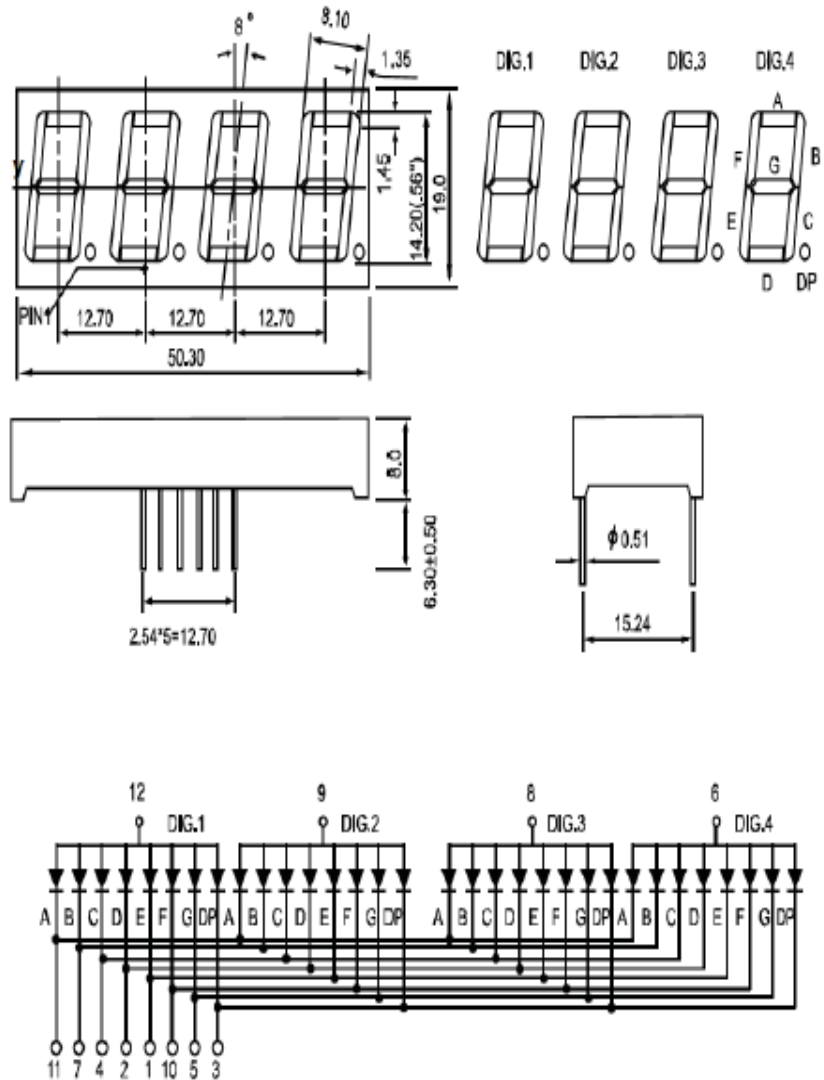
7 SEGMENT LED DISPLAY

FEATURES:

- High intensity and reliability
- High quality, Low power requirement and low cost
- IC compatible , Easy assembly
- Meet RoHS EU Directive
- ESD 2000V

DESCRIPTION:

- 0.56 Inch Four Digits Display
- Common Anode
- Black face, white segment
- Luminous Color:
1.RED
- Chips Materials
1.ALGaInP



NOTES : 1. All dimensions are in millimeters. (inches)
2. Tolerance is $\pm 0.25(0.010)$ unless otherwise specified.

7 SEGMENT LED DISPLAY
ABSOLUTE MAXIMUM RATINGS AT T_a=25°C :

PARAMETER	SYMBOL	RED	UNIT
Power Dissipation Per Segment	PAD	50	mw
Reverse Voltage Per Segment	VR	5	V
Continuous Forward Current Per Segment	IAF	20	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz)	IPF	60	mA
Operating Temperature Range	TOPr	-20°C to 80°C	
Storage Temperature Range	Tstg	-30°C to 85°C	
Lead Soldering Temperature 260°C at 1.6mm From Body for 3 second			

ELECTRICAL/OPTICAL CHARACTERISTICS AT T_a=25°C :

PARAMETER	SYMBOL	TEST CONDITION	COLOR	MIN	TYP	MAX	UNIT
Forward Voltage ,Per Segment	VF	IF=20mA	RED	1.9	2	2.5	V
Reverse Current , Per Segment	IR	VR=5V	RED			50	μA
Peak Emission Wavelength	λp	IF=20mA	RED	630	633	637	nm
Luminous Intensity Per Segment	IV	IF=20mA	RED	23	25	28	mcd

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TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES

Fig 1. Forward Current vs. Forward Voltage

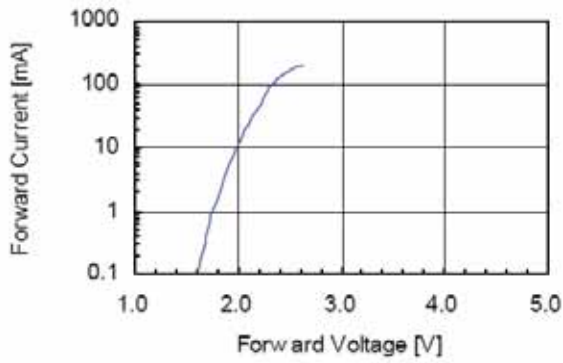


Fig 2. Relative Intensity vs. Forward Current

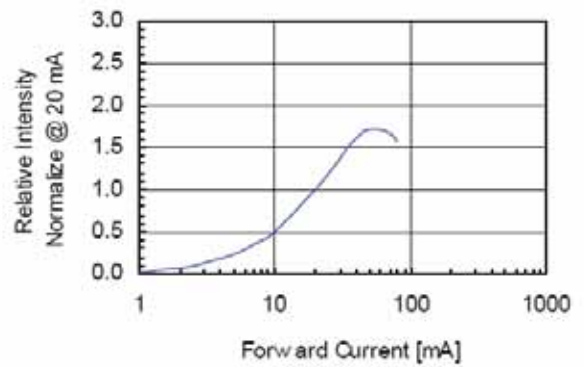


Fig 3. Forward Voltage vs. Temperature

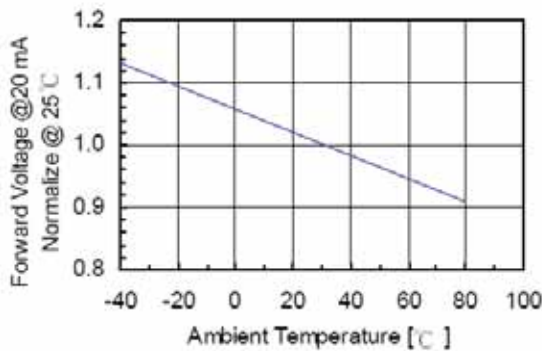


Fig 4. Relative Intensity vs. Temperature

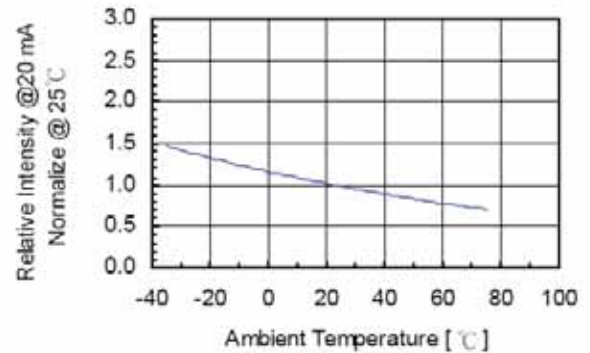
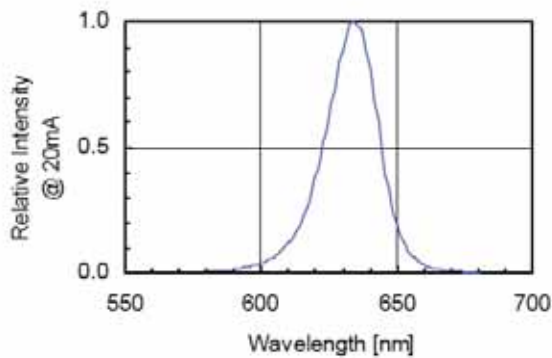


Fig 5. Relative Intensity vs. Wavelength



Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.