DISPLAY SPECIFICATION

Part No.: NES-15012AD-11

Features:

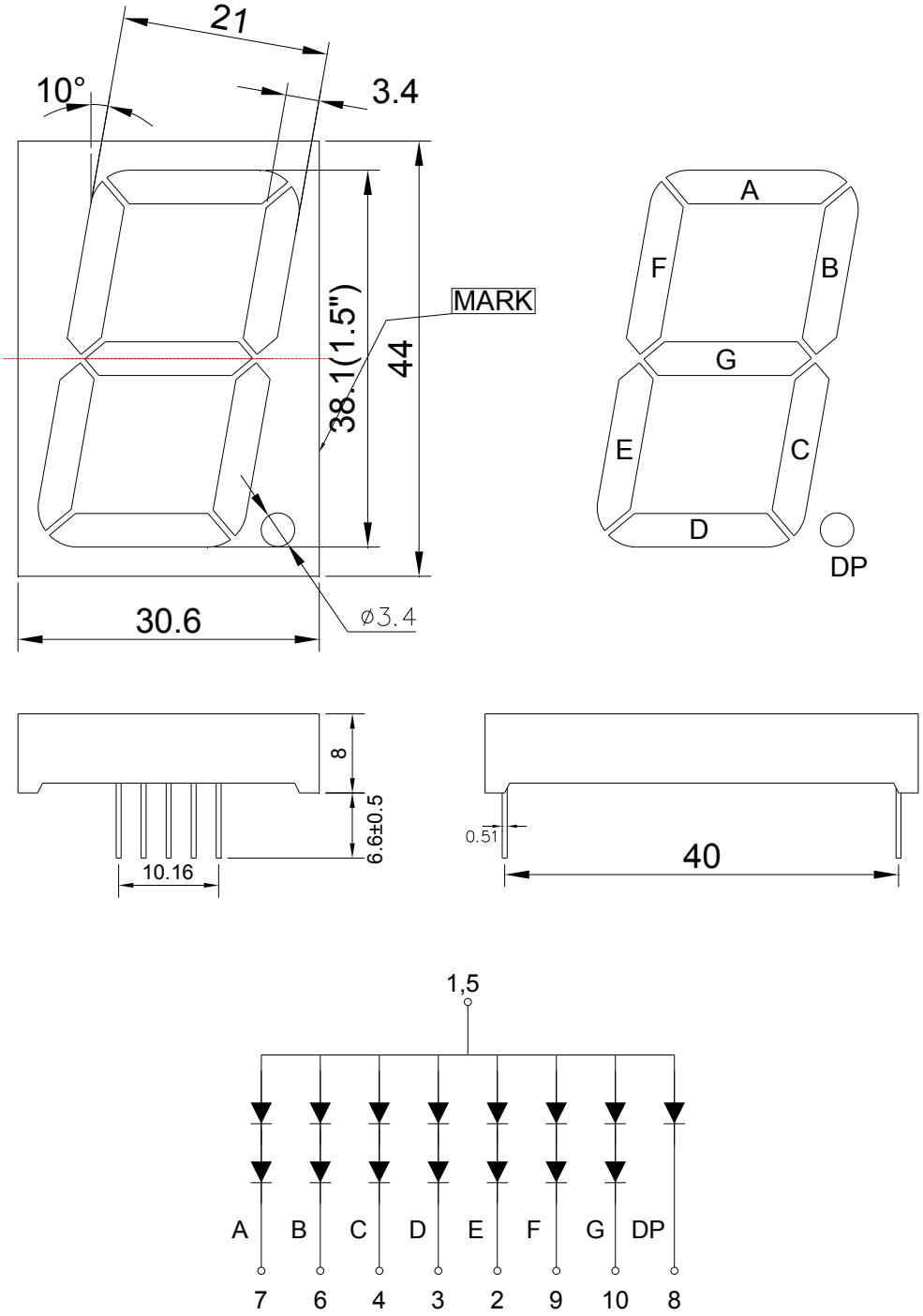
- Industrial standard size.
- Low current operation.
- Easy mounting on P.C. boards or sockets.
- I.C. compatible.
- Mechanically rugged.
- Pb free.
- RoHS compliant.

Descriptions:

- The NES-1501xAx series is a large 38.1mm （1.5”）high seven segment display.
- These displays provide excellent reliability in bright ambient light.
- These devices are made with black surface and white segments.
- The Super Bright Red source color devices are made with AlGaInP Red Light Emitting Diod

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Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters(inches),Tolerance is ±0.25（0.01”）unless otherwise noted.
2. Specifications are subject to change without notice.

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Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol		Value		Unit
			Min.	Max.	
Reverse Voltage	V_R	----	----	5	V
Forward Current	I_F	----	----	25	mA
Power Dissipation	Pd	----	----	60	mW
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	80	mA
Operating Temperature	Topr	----	-40	+85	℃
Storage Temperature	Tstr	----	-40	+85	℃
Solder Temperature	Tsol	1/16inch below Seating plane	260/3		℃/s

Electrical and optical characteristics （Ta = 25℃）

Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=20mA	----	3.8	4.6	V
Reverse Current	I_R	V_R=5V	----	----	30	μA
Dominate Wavelength	λ_d	I_F=20mA	----	640	----	nm
Peak Wavelength	λ_p	I_F=20mA	----	660	----	nm
Spectral Line half-width	$\Delta\lambda$	I_F=20mA	----	20	----	nm
Luminous Intensity	I_V	I_F=10mA	----	12	----	mcd

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Typical electrical/optical characteristic curves:

