

AVA TECHNOLOGY CO.

Technical Specification

Model: ND56G2

Name: .56"Seven-Segment Display

REV: A

Date: 2006-1-6

AVA TECHNOLOGY CO.

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DESCRIPTION••

THE GREEN SOURCE COLOR DEVICES
ARE MADE WITH InGaAlP
SUBSTRATE LIGHT EMITTING DIODE

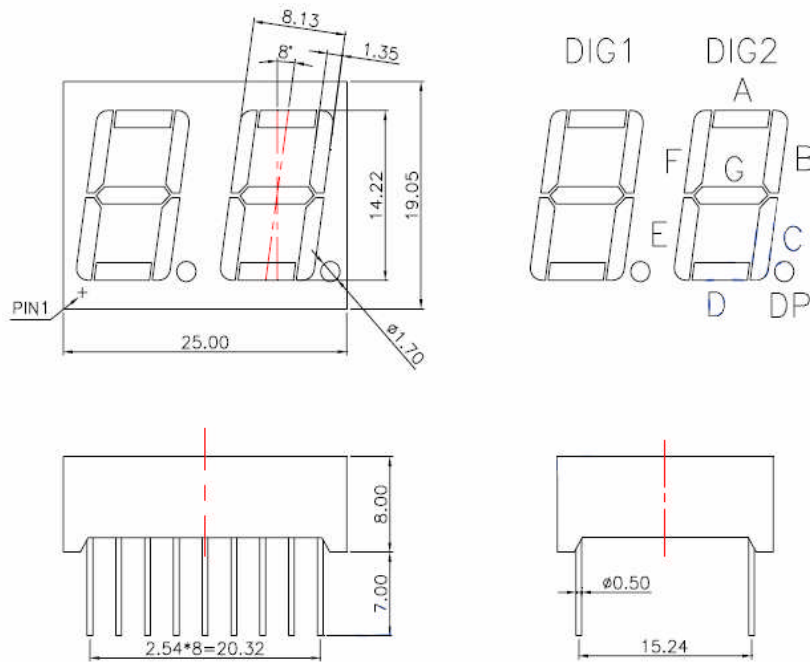


FEATURES

- 0.56 inch (14.22 mm) DIGIT HEIGHT
- CONTINUOUS UNIFORM SEGMENTS
- LOW POWER REQUIREMENT
- EXCELLENT CHARACTERS APPEARANCE
- HIGH BRIGHTNESS & HIGH CONTRAST
- WIDE VIEWING ANGLE
- SOLID STATE RELIABILITY
- CATEGORIZED FOR LUMINOUS INTENSITY
- THE CHARACTERISTIC OF ENCAPSULATION METHOD IS USE THE CHIP ON BORAD OR SMT

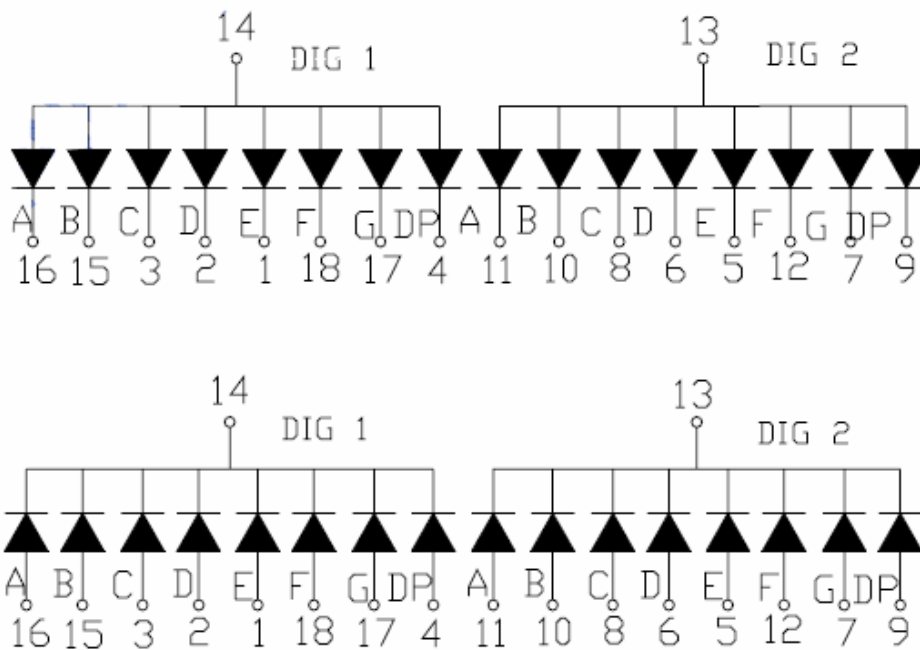
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PACKAGE DIMENSIONS



NOTES: All dimensions are in millimeters. Tolerances are ± 0.25 -mm (0.01") unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



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Selection Guide

Part No.	Dice	Lens Type	I _v (mcd) @10mA		Description
			Min.	Typ.	
ND56G2A	GREEN (InGaAlP)	WHITE DIFFUSED	11.08	12.04	Common Anode
ND56G2C	GREEN (InGaAlP)	WHITE DIFFUSED	11.08	12.04	Common Cathode

ABSOLUTE MAXIMUM RATING AT T_a = 25°C

PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation Per Segment	105	mW
DC Forward Current	30	mA
Peak Forward Current	100	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-40°C to +85°C	

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_a = 25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Peak Emission Wavelength	λ_p		572		nm	I _F =20mA
Spectral Line Half-Width	$\Delta\lambda$		30		nm	I _F =20mA
Dominant Wavelength	λ_d		569		nm	I _F =20mA
Forward Voltage Per Segment	V _F		2.15	2.5	V	I _F =20mA
Reverse Current Per Segment	I _R			20	μA	V _R =5V

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

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TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

RELATIVE INTENSITY vs WAVELENGTH

