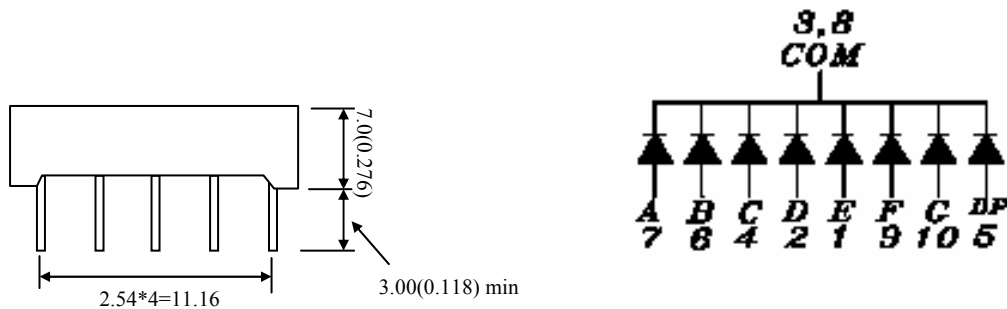
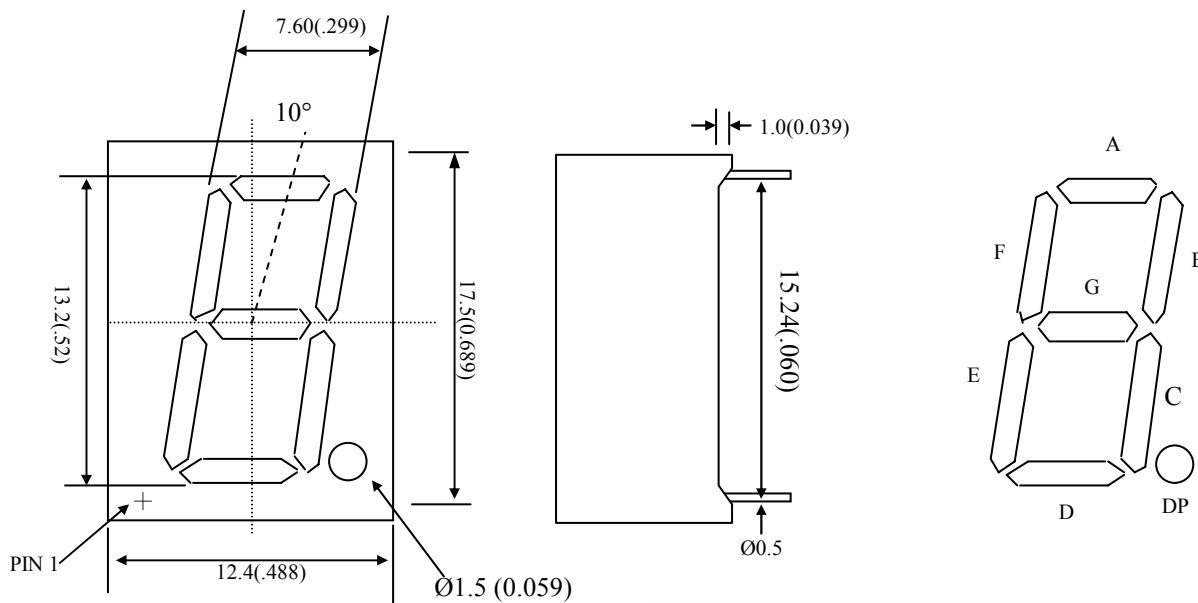


ZD1856

Blue 7 Segment LED Display

PACKAGE DIMENSIONS: (unit : mm)



FACE COLOR: Grey

ABSOLUTE MAXIMUM RATINGS: (Ta = 25°C)

Reverse Voltage	: 5 Volt
Reverse Current(Vr=5V)	: 10uA
Operating Temperature Range	: -25°C to +85°C
Storage Temperature Range	: -25°C to +100°C
Lead Soldering Temperature	: 260°C for 5 Seconds

Noted: 1. All dimension are in millimeters(inch).

2. Tolerance is ± 0.25mm(0.010")

3. Specifications are subject to change without notice.

Absolute Maximum Ratings at Ta=25°C

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	35	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

Electrical Optical Characteristics at Ta=25°C

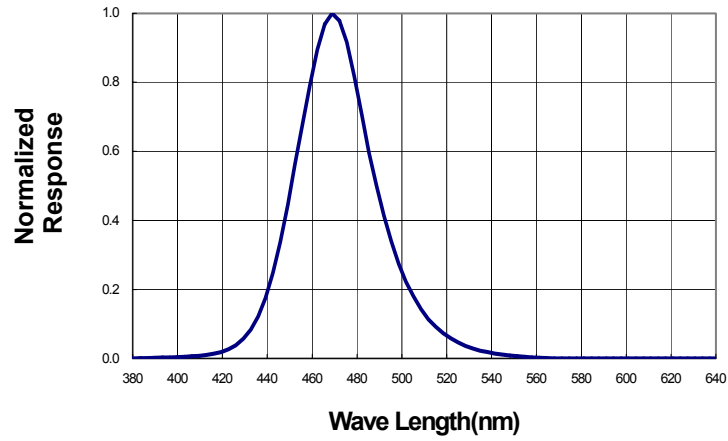
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	30	50	60	mcd	I _F =20mA (Note 1)
Peak Emission Wavelength	λ _p	460	468	472	nm	I _F =20mA
Spectral Line Half-Width	△λ	35	40	45	nm	I _F =20mA
Forward Voltage	V _F	2.8	3.5	4.2	V	I _F =20mA
Reverse Current	I _R	---	---	100	μA	V _R =5V

Note:

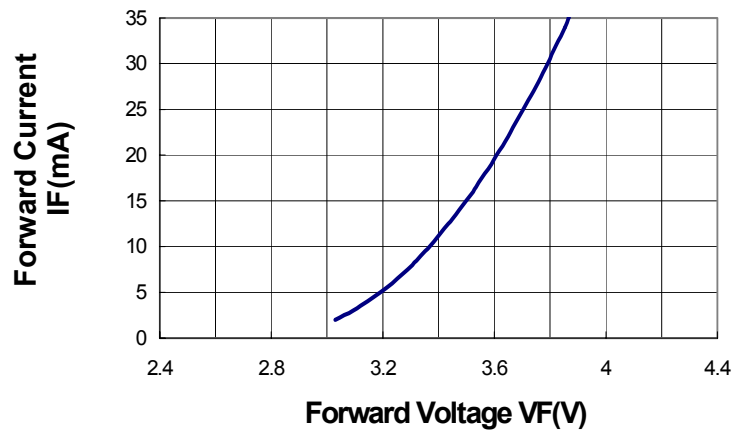
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

Typical Electrical / Optical Characteristics Curves
(25°C Ambient Temperature Unless Otherwise Noted)

Spectral Radiance (Peak @ 468nm)



Forward Current vs Forward Voltage



Relative Luminous Intensity vs Forward Current

