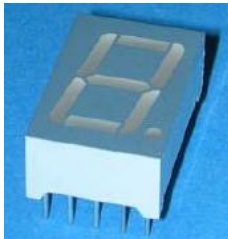


0.56" Single Digit Displays

Features

- Industrial standard size.
- Low power consumption.
- Categorized for luminous intensity.
- RoHS compliance.



S56H0



Descriptions

- The series is a 0.56" high seven segment display designed for viewing distances up to 7 meters.
- The displays provide excellent reliability in bright ambient light.
- The devices are made with white segment and gray surface.

Applications

- Audio equipment
- Instrument panels
- Digital read out display

Device Selection Guide

Part No.	Chip		Face Color
	Material	Emitted Color	
TDH-F2SH-5605AE2	AllnGaP	Yellowish Green	Gray

Absolute Maximum Ratings (Ta=25°C)

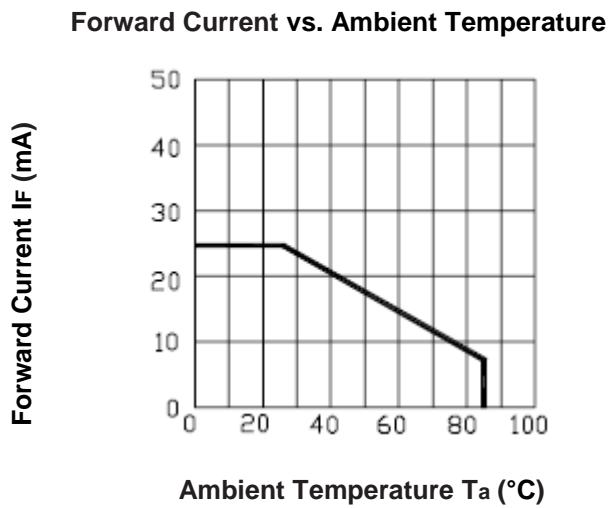
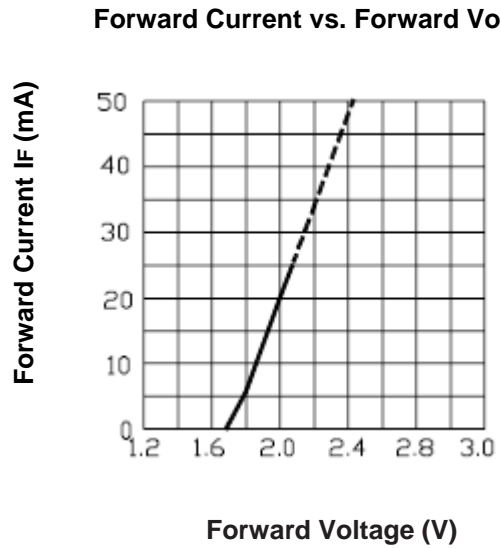
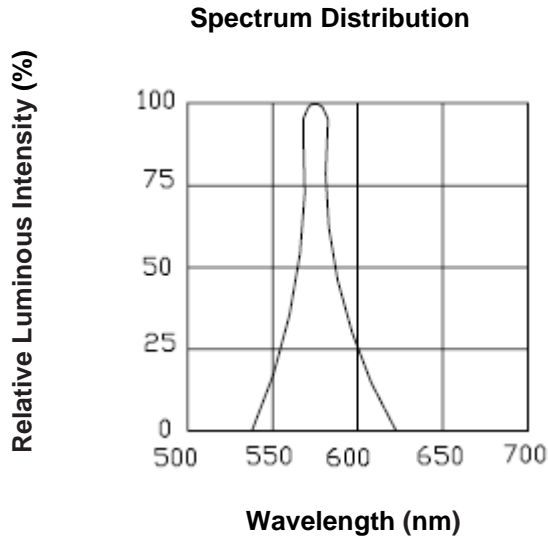
Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	25	mA
Power Dissipation	Pd	60	mW
Electrostatic Discharge	ESD	2000	V
Soldering Temperature (Note.1)	Tsol	260 ±5	°C
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C

Note 1: Soldering time ≤ 5 seconds

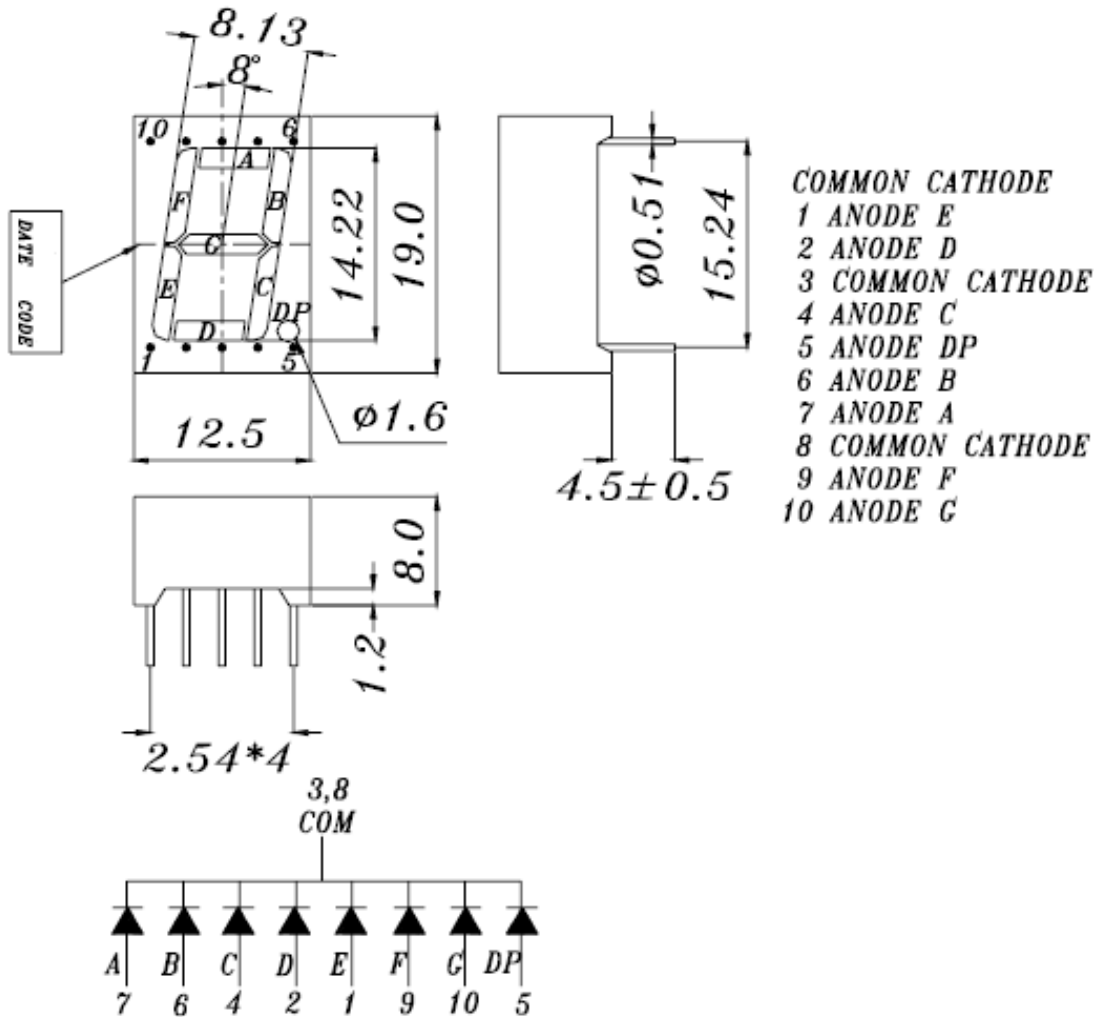
Electro-Optical Characteristics (Ta=25°C)

Parameter		Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Per segment	Iv	-----	1.05	-----	mcd	IF =2mA
	Per segment		2.80	4.50	-----	mcd	IF =10mA
	Per decimal point		-----	0.45	-----	mcd	IF =2mA
	Per decimal point		1.05	1.68	-----	mcd	IF =10mA
Peak wavelength		λp	-----	575	-----	nm	IF =20mA
Dominant wavelength		λd	-----	573	-----	nm	
Spectrum Radiation Bandwidth		Δλ	-----	20	-----	nm	
Forward Voltage		VF	-----	2.0	2.4	V	
Reverse Current		IR	-----	-----	100	μA	VR=5V

Typical Electro-Optical Characteristics Curves (Ta=25°C)



Package Dimensions (In mm)



Note:

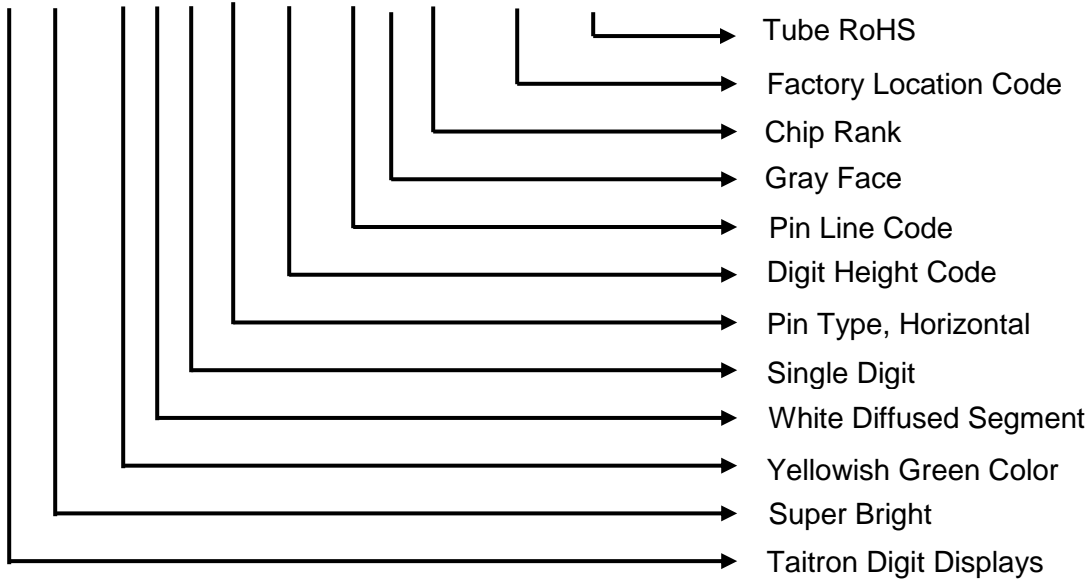
- All dimensions are in millimeters, and tolerance is 0.25mm without special declared.

Packing Quantity Specification

Packing Type	PCS per Tube	PCS Per Inner Box	PCS Per Carton
Tube	40	2,160	6,480

Ordering Information

TD H - F 2 S H - 56 05 A E2 - 92 - TU

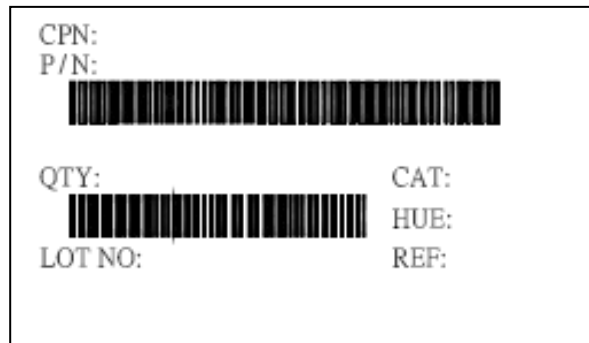


Label Explanation

CAT: Ranks

HUE: Dominant Wavelength Rank

REF: Reference



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