

0.39" Single Digit Displays

Features

- High efficiency, low power consumption.
- Extremely low current
- Luminous evenly distributed on each segment.
- RoHS compliance.



S39V0



Descriptions

- Industrial standard size
- The displays provide excellent reliability in bright ambient light.
- The devices are made with white segment and black surface.

Applications

- Audio equipment or instrument panels
- General use for digital indicator
- Multimedia product

Device Selection Guide

Part No.	Chip		Face Color
	Material	Emitted Color	
TDH-D2SV-3911B	AlInGaP	Super Deep Red	Black

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage/Segment	VR	5	V
Continuous Forward Current/Segment (Note 1)	IF	20	mA
Recommend Use Current/ Segment (Note 2)	IF	5~10	mA
Peak Forward Current/Segment	IFP	80	mA
Power Dissipation	Pd	70	mW
Soldering Temperature (Note 3)	Tsol	260 ± 5	°C
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	°C

Note 1: This is the limit current, not allowed to use when the product work continuously.

2. It is recommended that the product is driven by TTL, CMOS.

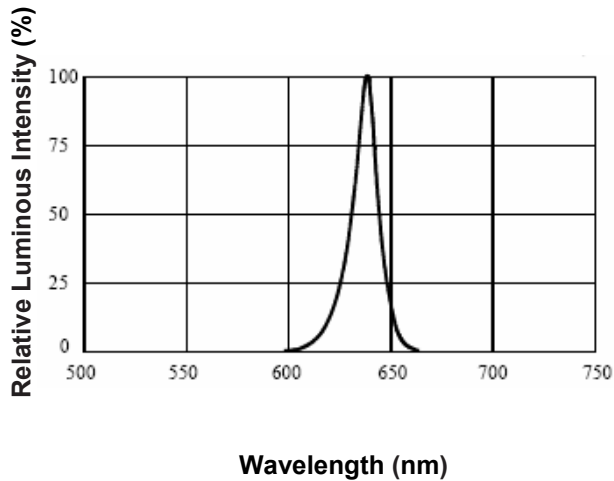
3. Soldering time ≤ 5 seconds

Electro-Optical Characteristics (Ta=25°C)

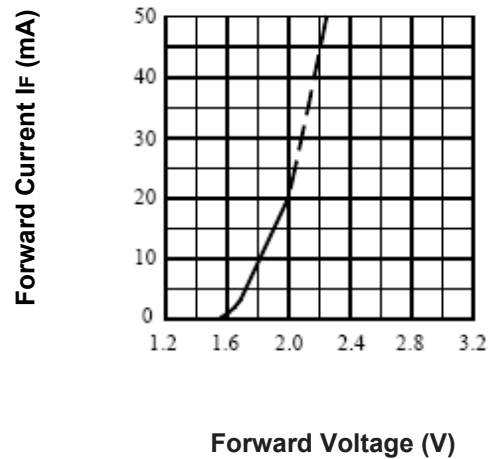
Parameter	Symbol	Typ.	Max.	Unit	Condition
Luminous Intensity/ Segment	Iv	11	-----	mcd	IF =10mA
Dominant wavelength	λd	640	-----	nm	IF =20mA
Spectrum Radiation Bandwidth	Δλ	30	-----	nm	
Forward Voltage	VF	2.0	2.5	V	
Reverse Current	IR	-----	50	μA	VR=5V

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

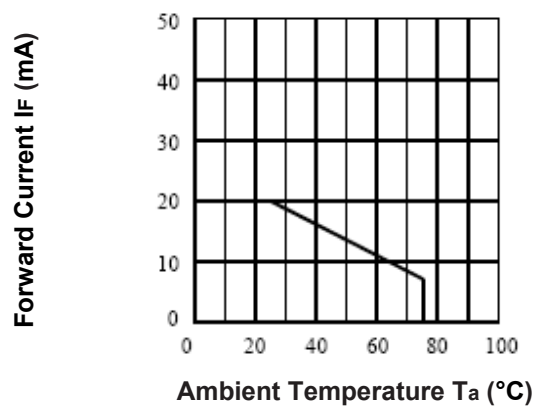
Spectrum Distribution



Forward Current vs. Forward Voltage



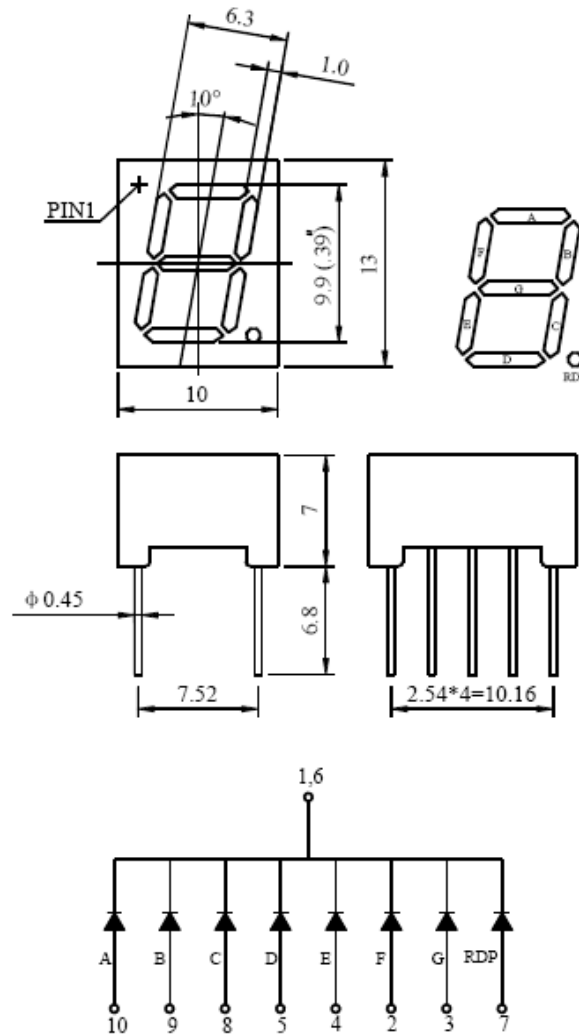
Forward Current vs. Ambient Temperature



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Package Dimensions (In mm)



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

Packing Quantity Specification

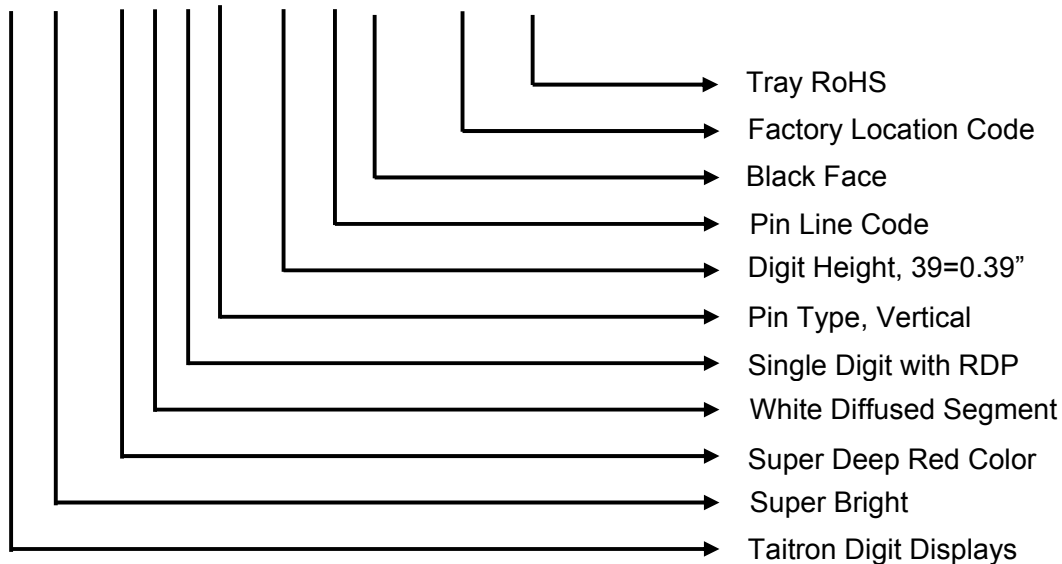
Packing Type	PCS per Tray	PCS per Box
Tray (pcs)	361	1,805

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Ordering Information

TD H - D 2 S V - 39 11 B - XX - YL



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