

PRELIMINARY SPEC

SA40-19SEWA-H

HYPER ORANGE

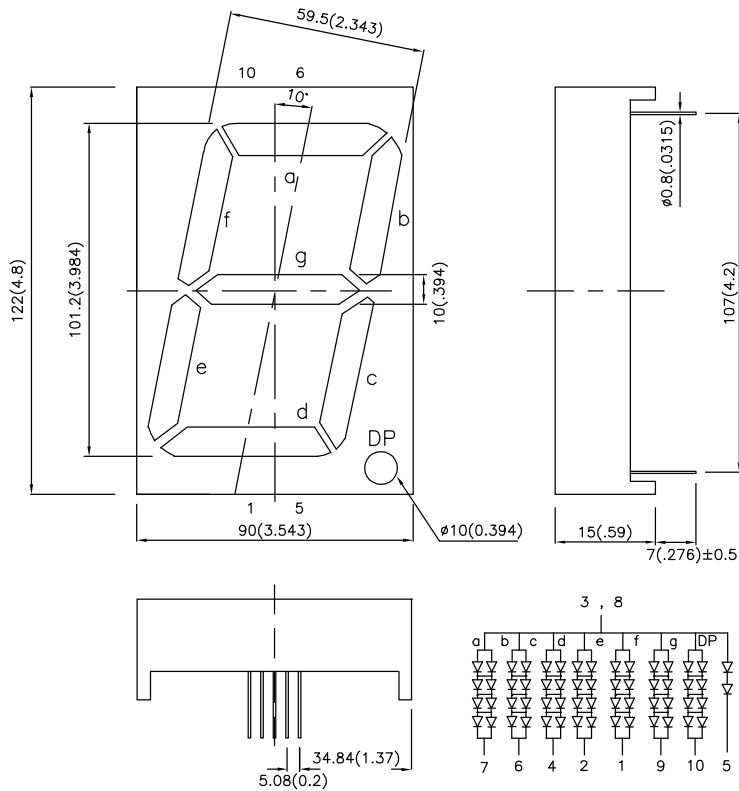
Features

- LARGE SIZE.
- 4.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

Description

This devices are made with TS InGaAlP.

Package Dimensions& Internal Circuit Diagram



Notes:

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

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
SA40-19SEWA-H	HYPER ORANGE (InGaAlP)	WHITE DIFFUSED	128000	513000	Common Anode ,Rt. Hand Decimal.

Electrical / Optical Characteristics at TA=25°C

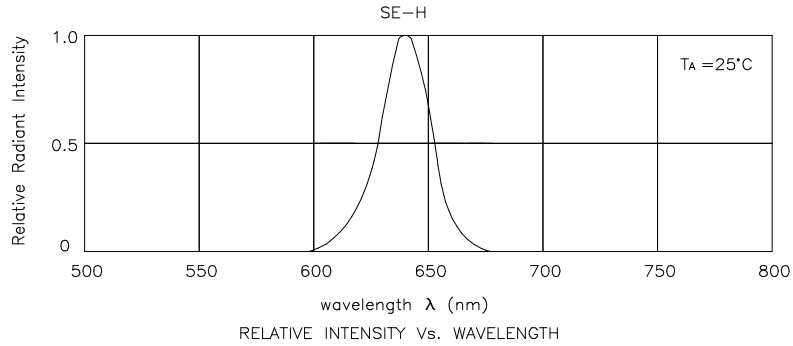
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Hyper Orange	640		nm	IF=20mA
λ_D	Dominant Wavelength	Hyper Orange	630		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Hyper Orange	25		nm	IF=20mA
C	Capacitance	Hyper Orange	27		pF	VF=0V;f=1MHz
VF	Forward Voltage Per Segment or (Dp)	Hyper Orange	8.2 (4.4)	11.2 (5.6)	V	IF=20mA
IR	Reverse Current Per Segment or (Dp)	Hyper Orange		20 (10)	uA	VR = 20(10)V

Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Orange	Units
Power dissipation Per Segment or (Dp)	672 (168)	mW
DC Forward Current Per Segment or (Dp)	60 (30)	mA
Peak Forward Current [1] Per Segment or (Dp)	300 (150)	mA
Reverse Voltage Per Segment or (Dp)	20 (10)	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



Hyper Orange

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