

PRODUCT SPECIFICATION

Model No : CSS-1014V9/1015V9

Descriptions:

- 1.0 Inch Single Digit Display
- Emitting Color : Super Bright Orange



CUSTOMER APPROVED	APPROVED BY	CHECKED BY	PREPARED BY
SIGNATURES			陳新強

CHINA SEMICONDUCTOR CORPORATION
Address:2FL. NO.909,Chung-Cheng Road,
Chung-Ho City Taipei Hsien,Taiwan.

Tel:886-2-2223-9696
Fax:886-2-2223-9377

OPTO PLUS TECHNOLOGIES CO.,LTD
Address:696 Shun jiang Rd.,Ji Shan St.Shaoxing,
ZheJiang,China

Tel:86-0575-8623888
Fax:86-0575-8623112

<http://www.csctw.com.tw>

Model No : CSS-1014V9/1015V9

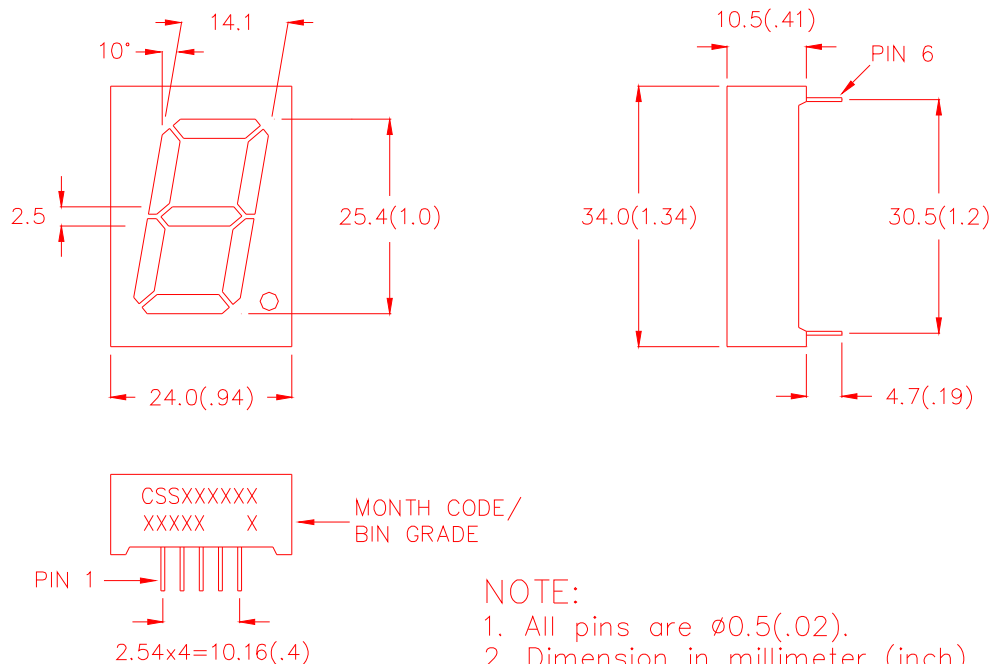
Features -

1. 1.0 inch (25.4mm) digit height.
2. Case mold type.
3. RoHs compliant.
4. Low power consumption.
5. ESD>1KV(HBM)
6. Easy mounting on P.C. board or socket.

Device Selection Guide -

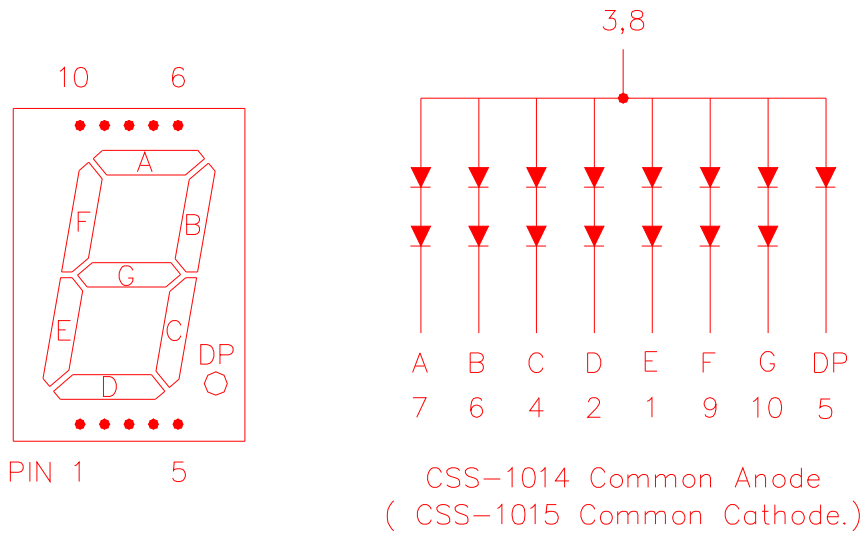
Part No.	Chip		Description
	Material	Emitted Color	
CSS-1014V9	AlGaInP	Super Bright Orange	Common Anode
CSS-1015V9	AlGaInP	Super Bright Orange	Common Cathode

Mechanical Dimensions -



Model No : CSS-1014V9/1015V9

Internal Circuit Diagrams -



Absolute Maximum Rating -

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation Per Dice	Pd	75	mW
Continuous Forward Current Per Dice	IAF	25	mA
Peak Current Per Dice	IPF	90	mA
Derating Linear From 25°C Per Dice	-	0.33	mA/°C
Reverse Voltage Per Dice	VR	5	V
Operating Temp.	Topr	-35 ~ +85	°C
Storage Temp.	Tstg	-35 ~ +85	°C
Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C			

Model No : CSS-1014V9/1015V9

■ Electro-optical Characteristics -

(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage Per Segment (DP)	V _F	-	4.2(2.1)	5.6(2.8)	V	I _F =20mA
Luminous Intensity Per Segment	I _v	-	40	-	mcd	I _F =20mA
Peak Emission Wavelength	λ _p	-	632	-	nm	I _F =20mA
Dominant Wavelength	λ _d	-	624	-	nm	I _F =20mA
Spectrum Radiation Bandwidth	Δ λ	-	20	-	nm	I _F =20mA
Reverse Current	I _R	-	-	100	μA	V _R =10V
Luminous Intensity Matching Ratio	I _{V-m}	-	-	2:1	-	I _F =10mA



Spec. No.	PS-ND-0711
Rev.	A

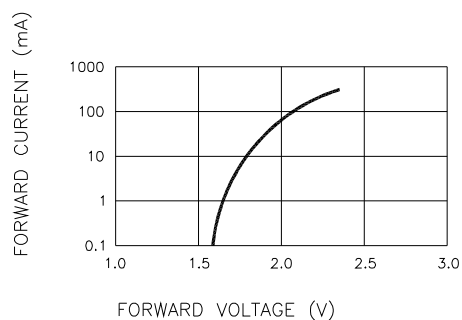
Model No : CSS-1014V9/1015V9**Typical Electrical / Optical Characteristics Curves -****(Ta = 25°C Unless Otherwise Noted)**

Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

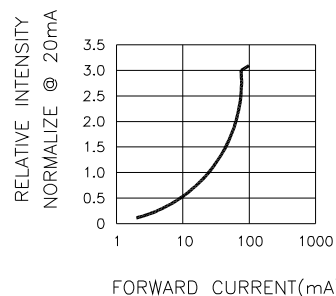
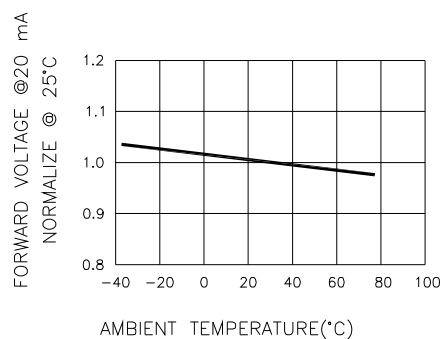
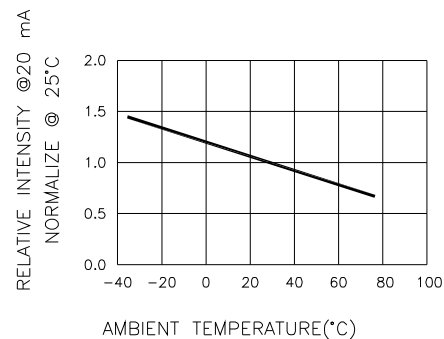
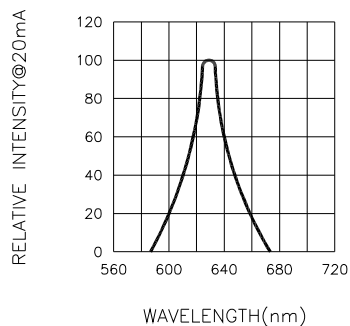
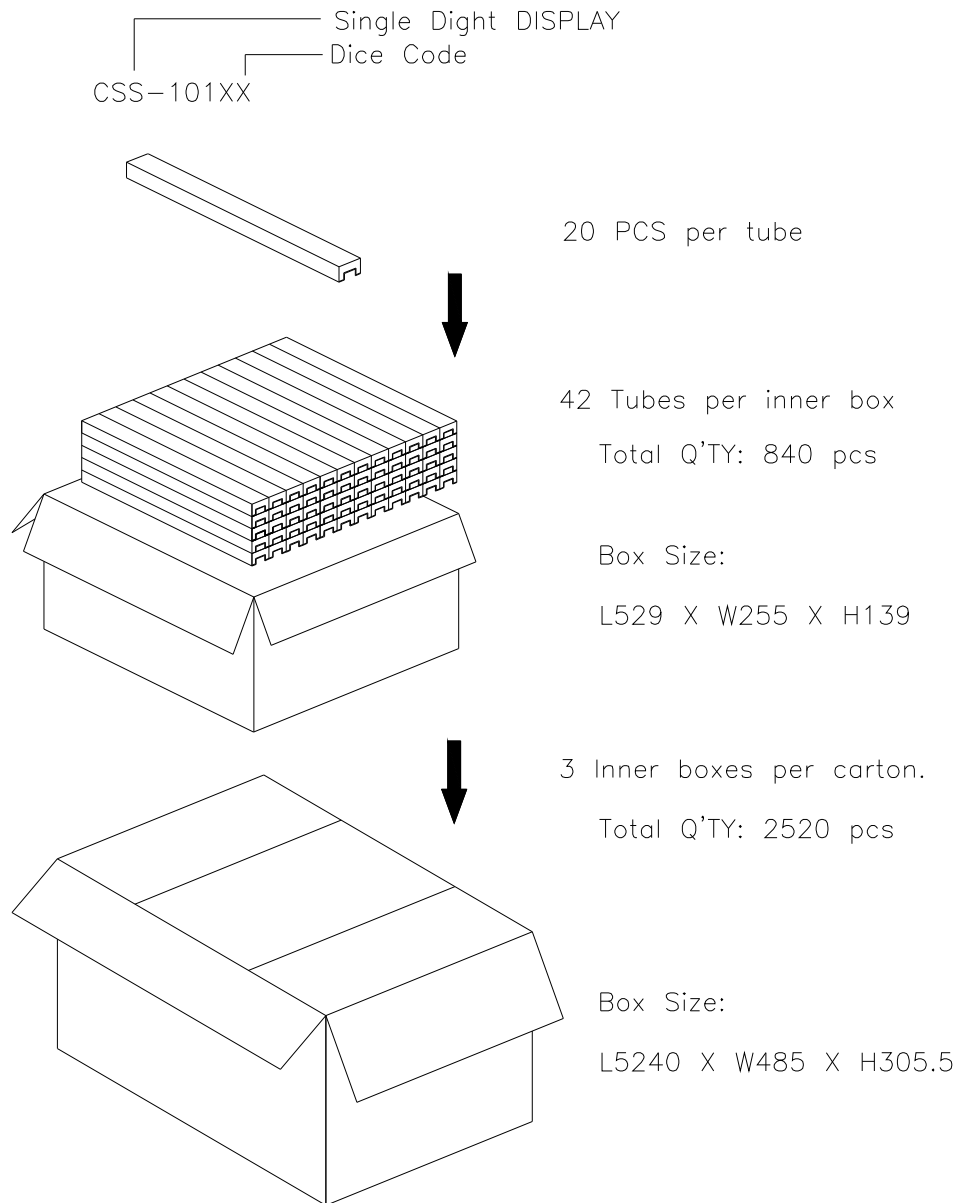
Fig.2 RELATIVE INTENSITY
VS. FORWARD CURRENTFig.3 FORWARD VOLTAGE
VS. TEMPERATUREFig.4 RELATIVE INTENSITY
VS. TEMPERATURE

Fig.5 RELATIVE INTENSITY VS. WAVELENGTH

Model No : CSS-1014V9/1015V9

■ Package Dimensions



[查询"CSS-1014V9"供应商](#)