



PRODUCT SPECIFICATION

Model No : CST-432V9/431V9

Descriptions:

- 0.4 Inch Triad Digits Display
- CST-432: Common Anode
- CST-431: Common Cathode
- Emitting Color: Super Bright Orange



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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Model No : CST-432/431V9

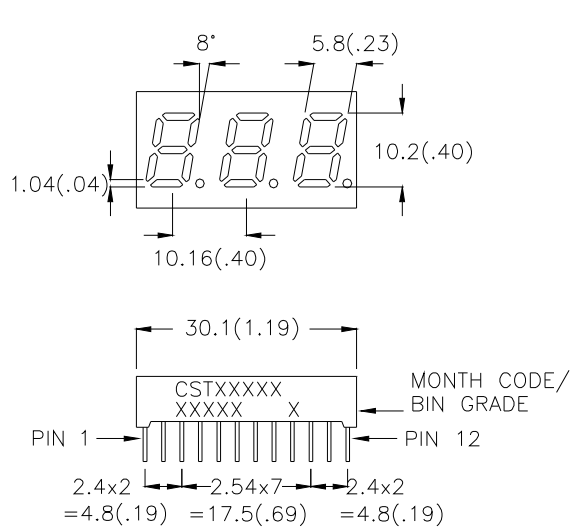
■ **Features -**

1. 0.4 inch (10.2mm) digit height.
2. Case mold type.
3. RoHS compliant.
4. Low power consumption.
5. Easy mounting on P.C. board or socket.

■ **Device Selection Guide -**

Part No.	Chip		Description
	Material	Emitted Color	
CST-432V9	AlGaInP	Super Bright Orange	Common Anode
CST-431V9	AlGaInP	Super Bright Orange	Common Cathode

■ **Package Dimensions -**



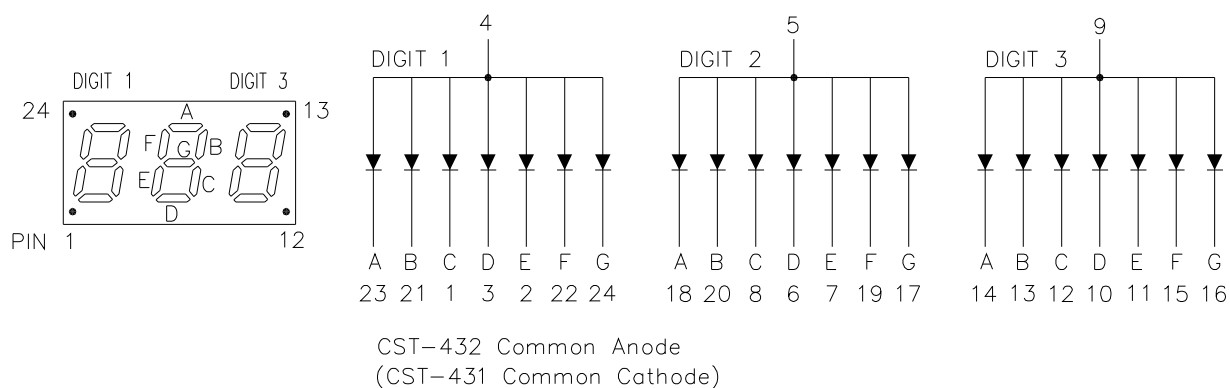
NOTE:

1. All pins are $\phi 0.5(.02)$.
2. Dimension in millimeter (inch), and tolerance is $\pm 0.25 (.01)$ unless otherwise noted.



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Internal Circuit Diagrams -



Absolute Maximum Rating -

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation Per Dice	P _{AD}	70	mW
Continuous Forward Current Per Dice	I _{AF}	25	mA
Peak Current Per Dice(duty cycle 1/10,1KHz)	I _{PF}	90	mA
Derating Linear From 25°C Per Dice	-	0.33	mA/°C
Reverse Voltage Per Dice	V _R	5	V
Operating Temp.	T _{opr}	-35 ~ +85	°C
Storage Temp.	T _{stg}	-35 ~ +85	°C
Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C			



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■ Electro-optical Characteristics -

(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage Per Segment	V_F	-	2.0	2.8	V	$I_F=20\text{mA}$
Luminous Intensity Per Segment	I_v	-	14	-	ucd	$I_F=10\text{mA}$
Peak Emission Wavelength	λ_p	-	632	-	nm	$I_F=20\text{mA}$
Dominant Wavelength	λ_d	-	624	-	nm	$I_F=20\text{mA}$
Spectrum Radiation Bandwidth	$\Delta \lambda$	-	20	-	nm	$I_F=20\text{mA}$
Reverse Current	I_R	-	-	100	μA	$V_R=5\text{V}$
Luminous Intensity Matching Ratio	I_{V-m}	-	-	2:1	-	$I_F=10\text{mA}$



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■ Typical Electrical / Optical Characteristics Curves -

(Ta = 25°C Unless Otherwise Noted)

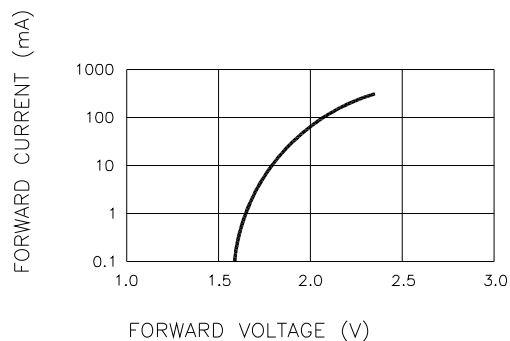


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

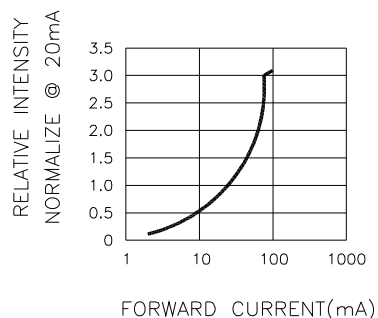


Fig.2 RELATIVE INTENSITY
VS. FORWARD CURRENT

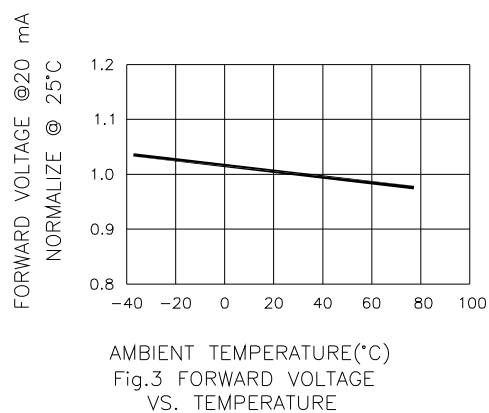


Fig.3 FORWARD VOLTAGE
VS. TEMPERATURE

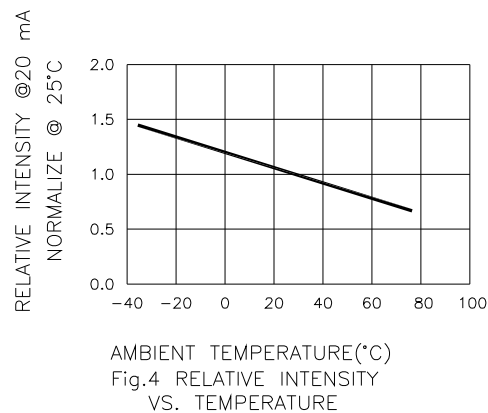


Fig.4 RELATIVE INTENSITY
VS. TEMPERATURE

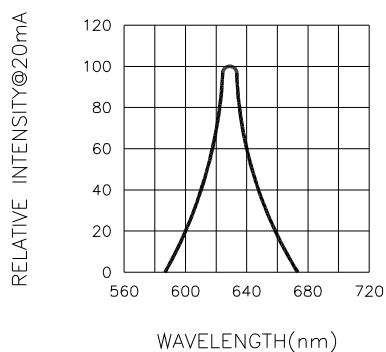
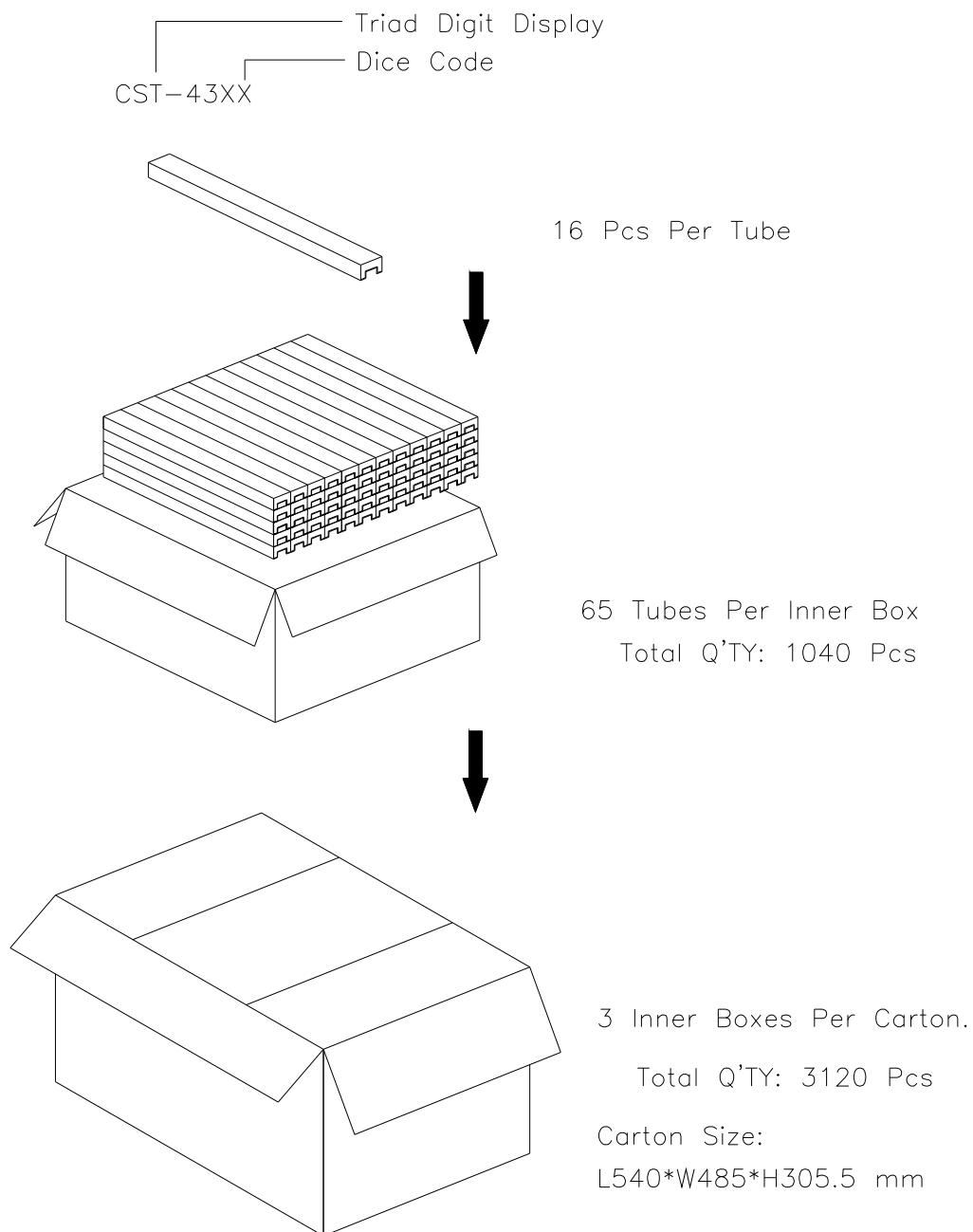


Fig.5 RELATIVE INTENSITY VS. WAVELENGTH



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■ Package Dimensions



Note: The specifications are subject to change without notice. Please contact us for updated information.