



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

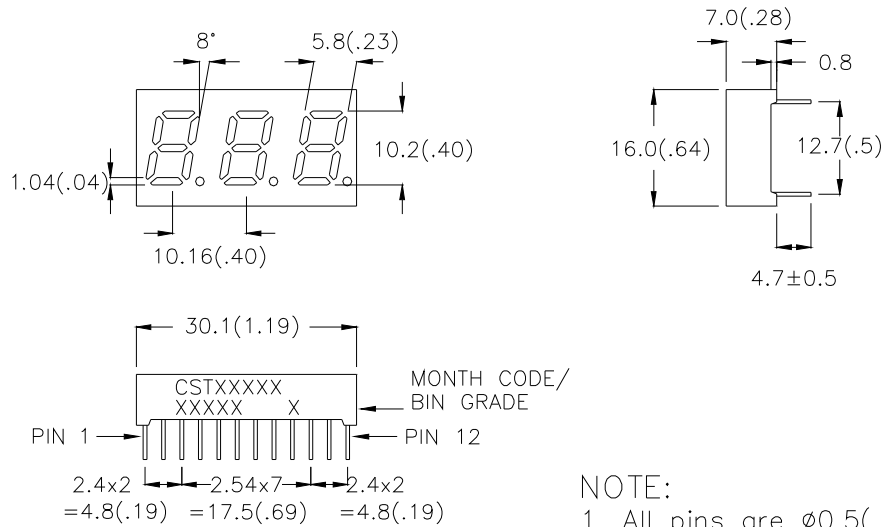
Features -

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 -



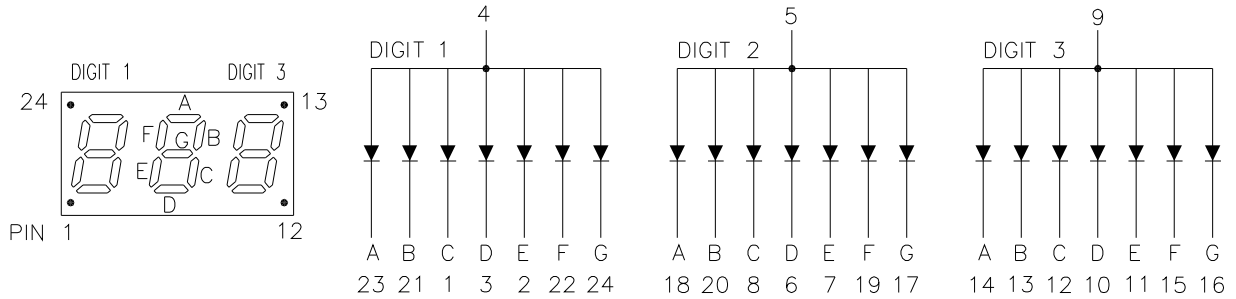
NOTE:

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 -



CST-432 Common Anode
(CST-431 Common Cathode)

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	$I_F=20mA$
Luminous Intensity Per Segment	I_v	-	14	-	ucd	$I_F=10mA$
Peak Emission Wavelength	λ_p	-	632	-	nm	$I_F=20mA$
Dominant Wavelength	λ_d	-	624	-	nm	$I_F=20mA$
Spectrum Radiation Bandwidth	$\Delta \lambda$	-	20	-	nm	$I_F=20mA$
Reverse Current	IR	-	-	100	μA	$V_R=5V$
Luminous Intensity Matching Ratio	IV-m	-	-	2:1	-	$I_F=10mA$



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■ Typical Electrical / Optical Characteristics Curves -

(Ta = 25°C Unless Otherwise Noted)

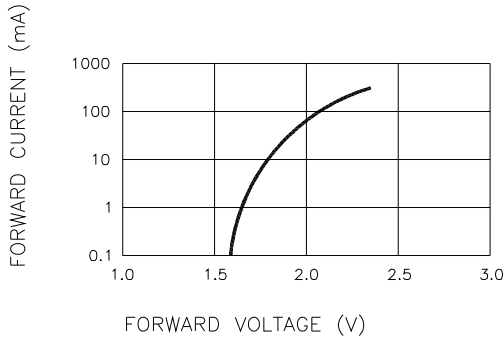


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

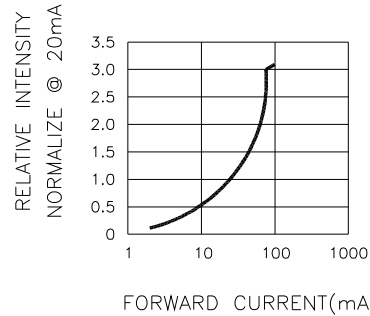


Fig.2 RELATIVE INTENSITY VS. FORWARD CURRENT

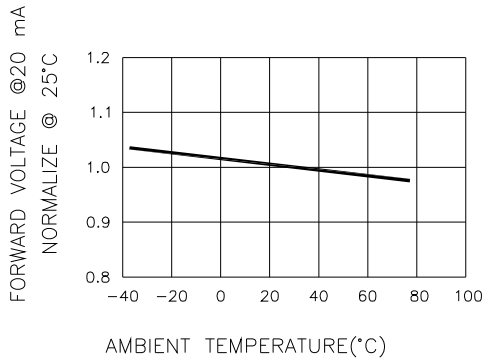


Fig.3 FORWARD VOLTAGE VS. TEMPERATURE

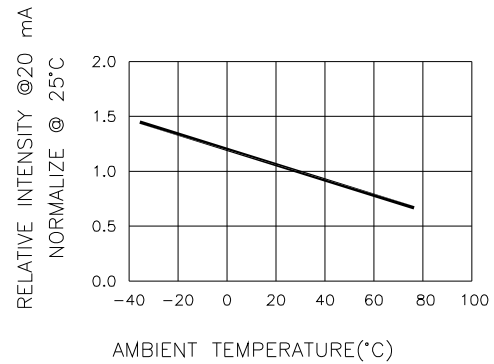


Fig.4 RELATIVE INTENSITY VS. TEMPERATURE

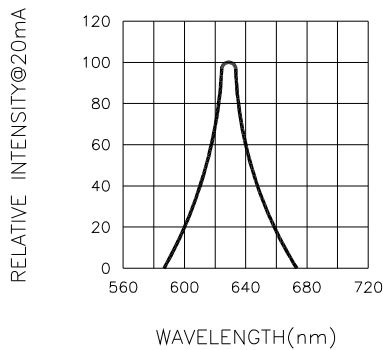
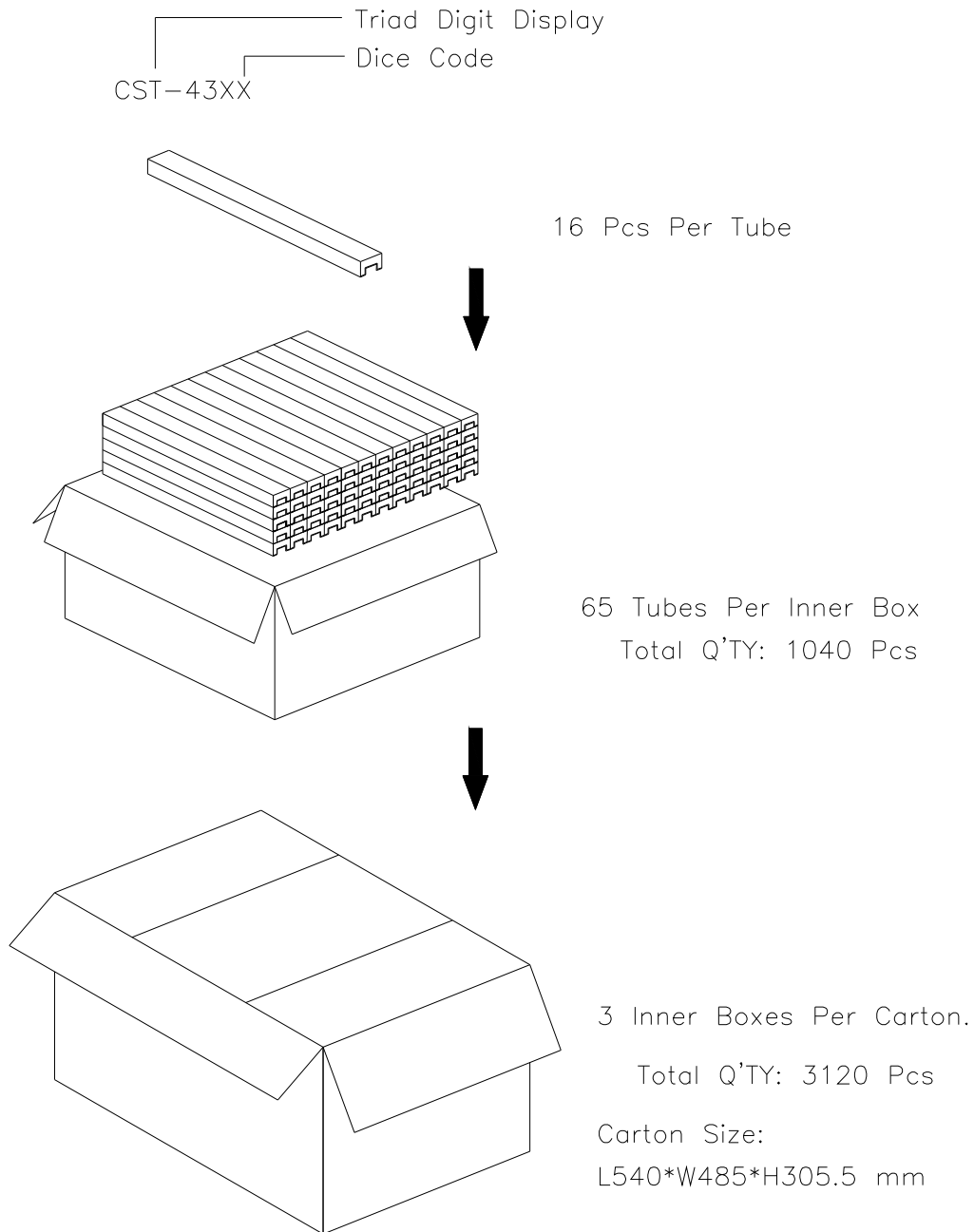


Fig.5 RELATIVE INTENSITY VS. WAVELENGTH



Model No: **CST-432/431V9**

■ Package Dimensions



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