



PRODUCT SPECIFICATION

Model No : CST-532M9/533M9

Descriptions:

- 0.56 Inch Triad Digit Display
- CST-532: Common Anode
- CST-533: Common Cathode
- Emitting Color: Super Bright Yellow Green



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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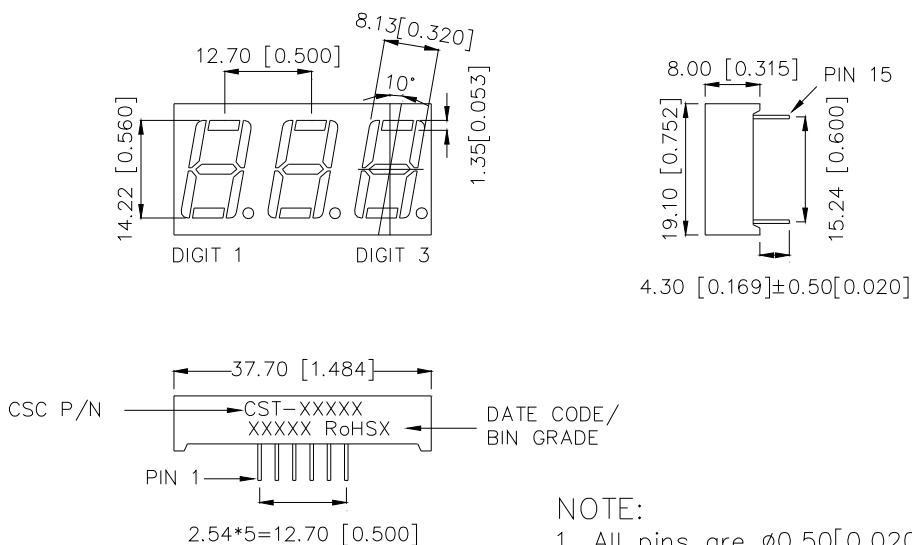
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Model No : CST-532/533M9
Features -

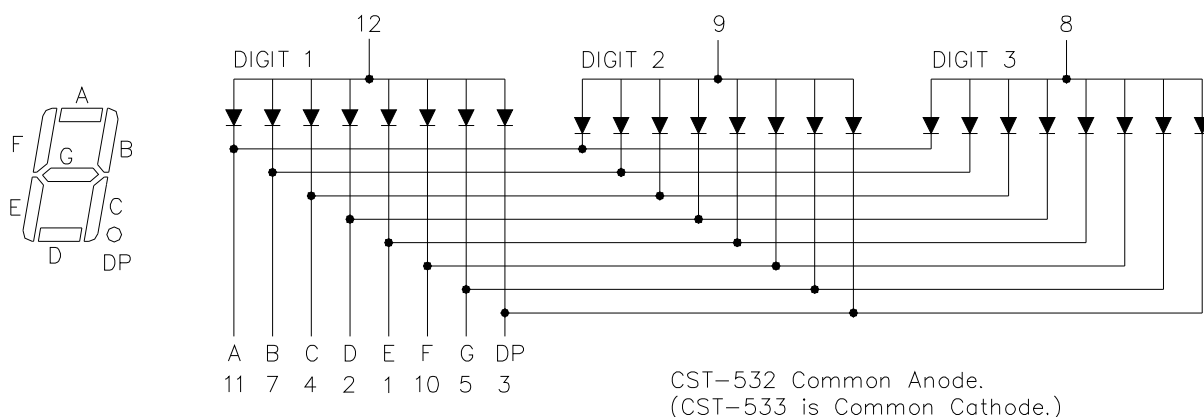
1. 0.56 inch (14.2mm) digit height.
2. Case mold type.
3. RoHS compliant.
4. Low power consumption.
5. Easy mounting on P.C. board or socket.

Device Selection Guide -

Part No.	Chip		Description
	Material	Emitted Color	
CST-532M9	AlGaInP	Super Bright Yellow	Common Anode
CST-533M9		Green	Common Cathode

Package Dimensions -

NOTE:

1. All pins are $\phi 0.50 [0.020]$.
2. Dimension in millimeters [inch], tolerance is $\pm 0.25 [0.010]$ unless otherwise noted.


Model No : CST-532/533M9
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			


Model No : CST-532/533M9
■ Electro-optical Characteristics -

(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage Per Segment	V _F	-	2.1	2.8	V	I _F =20mA
Luminous Intensity Per Segment	I _v	-	10	-	ucd	I _F =10mA
Peak Emission Wavelength	λ _p	-	572	-	nm	I _F =20mA
Dominant Wavelength	λ _d	-	570	-	nm	I _F =20mA
Spectrum Radiation Bandwidth	Δλ	-	20	-	nm	I _F =20mA
Reverse Current	I _R	-	-	100	μA	V _R =5V
Luminous Intensity Matching Ratio	IV-m	-	-	2:1	-	I _F =10mA

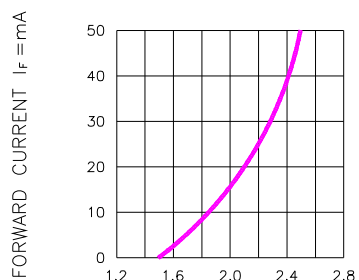

Model No : CST-532/533M9
Typical Electrical / Optical Characteristics Curves -
(Ta = 25°C Unless Otherwise Noted)


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

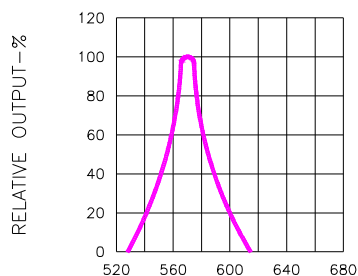


Fig.2 SPECTRAL RESPONSE

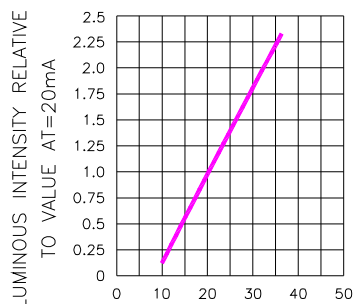


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

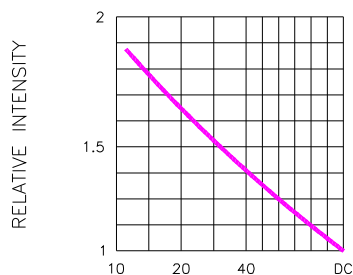


Fig.5 LUMINOUS INTENSITY VS. DUTY CYCLE
(AVERAGE I_F = 10mA)

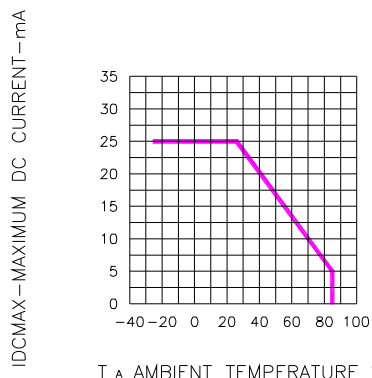


Fig.4 MAXIMUM ALLOWABLE DC CURRENT PER SEGMENT VS. A FUNCTION OF AMBIENT TEMPERATURE

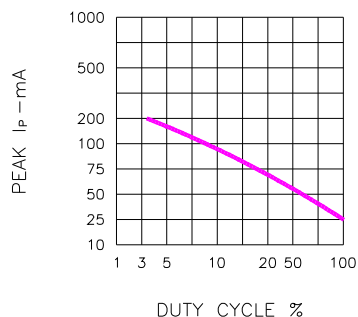
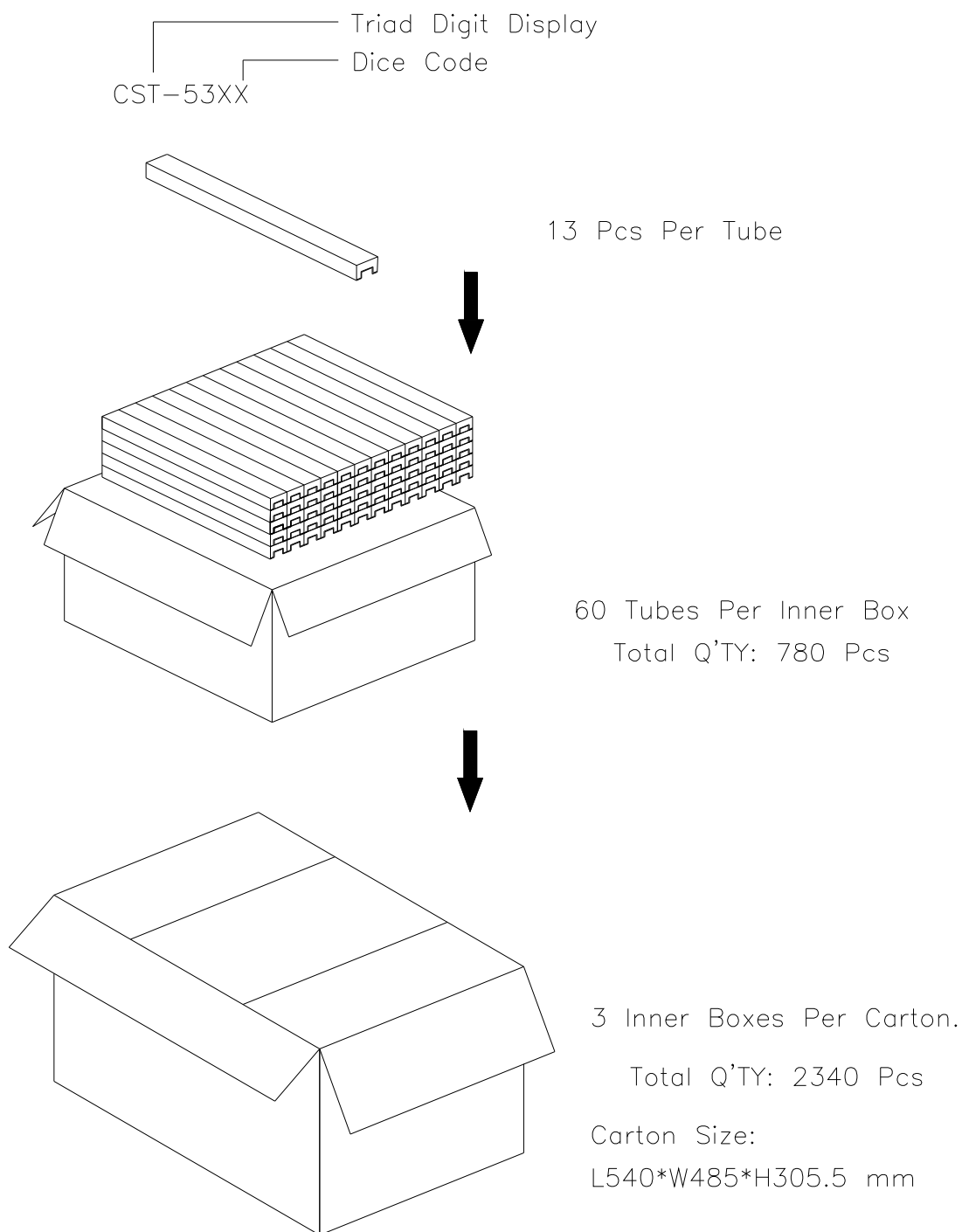


Fig.6 MAX PEAK CURRENT VS. DUTY CYCLE %
(REFRESH RATE f = 1 KHz)

**Model No : CST-532/533M9****■ Package Dimensions**

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