

PRODUCT SPECIFICATION

Model No : CSQ-2842M9/2841M9

Descriptions:

- 0.28 Inch Quad Digit Display
- CSQ-2842: Common Anode
- CSQ-2841: Common Cathode
- Emitting Color: Super Bright Yellow Green



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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 : CSQ-2842/2841M9

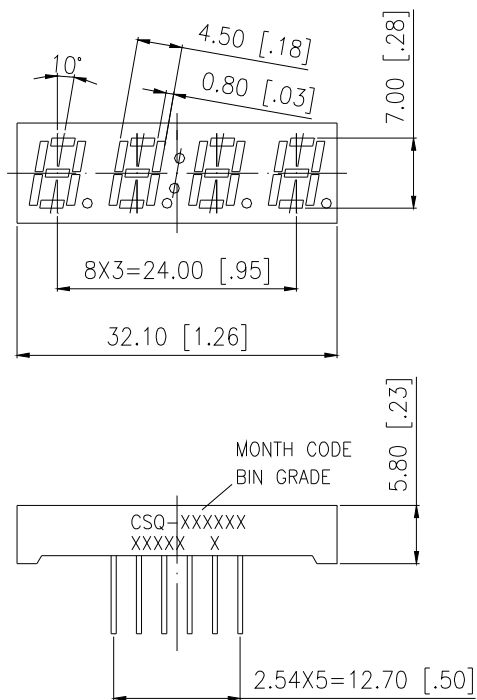
Features -

1. 0.28 inch (7.0mm) 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	
CSQ-2842M9	AlGaInP	Super Bright Yellow Green	Common Anode
CSQ-2841M9			Common Cathode

Package Dimensions -



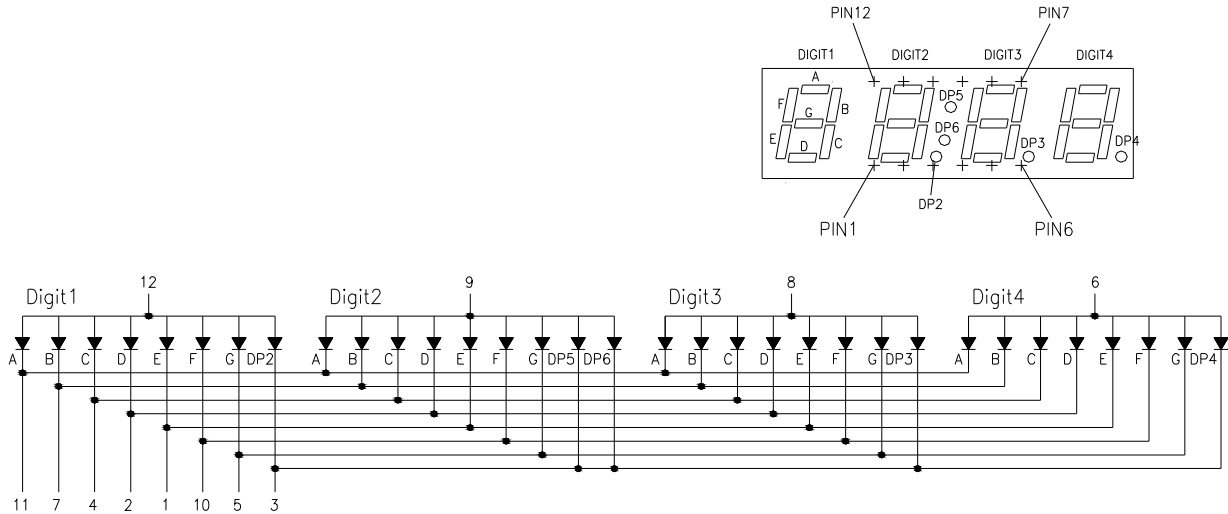
NOTE:

1. All pins are $\varnothing 0.45$ (.02").
2. Dimension in millimeter (inch), and tolerance is ± 0.25 (.01) unless otherwise noted.

[查询"CSQ-2842M9"供应商](#)

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Internal Circuit Diagrams -



CSQ-2842 Common Anode
(CSQ-2841 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	-	2.1	2.8	V	I _F =20mA
Luminous Intensity Per Segment	I _v	4000	9000	-	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	Δ λ	-	20	-	nm	I _F =20mA
Reverse Current	I _R	-	-	100	μA	V _R =5V
Luminous Intensity Matching Ratio	I _{V-m}	-	-	2:1	-	I _F =10mA

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Typical Electrical / Optical Characteristics Curves -

(Ta = 25°C Unless Otherwise Noted)

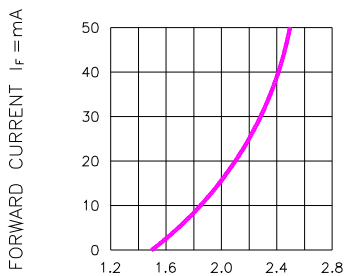


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

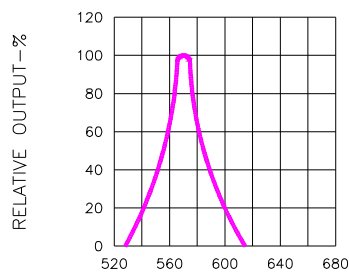


Fig.2 SPECTRAL RESPONSE

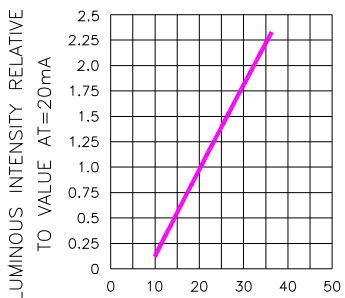


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

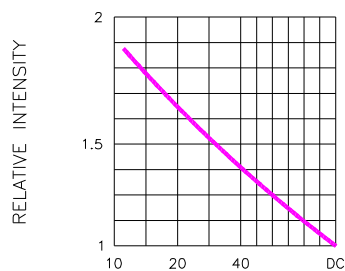


Fig.5 LUMINOUS INTENSITY VS. DUTY CYCLE
(AVERAGE $I_f = 10\text{mA}$)

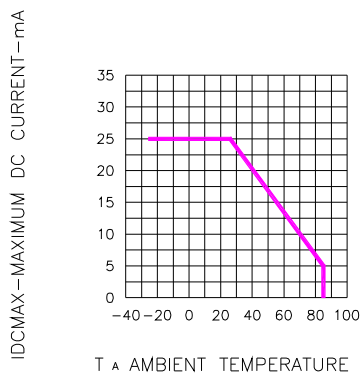


Fig.4 MAXIMUM ALLOWABLE DC CURRENT PER SEGMENT VS. A FUNCTION OF AMBIENT TEMPERATURE

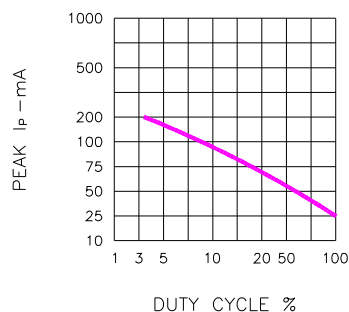


Fig.6 MAX PEAK CURRENT VS. DUTY CYCLE
(REFRESH RATE $f = 1\text{ KHz}$)



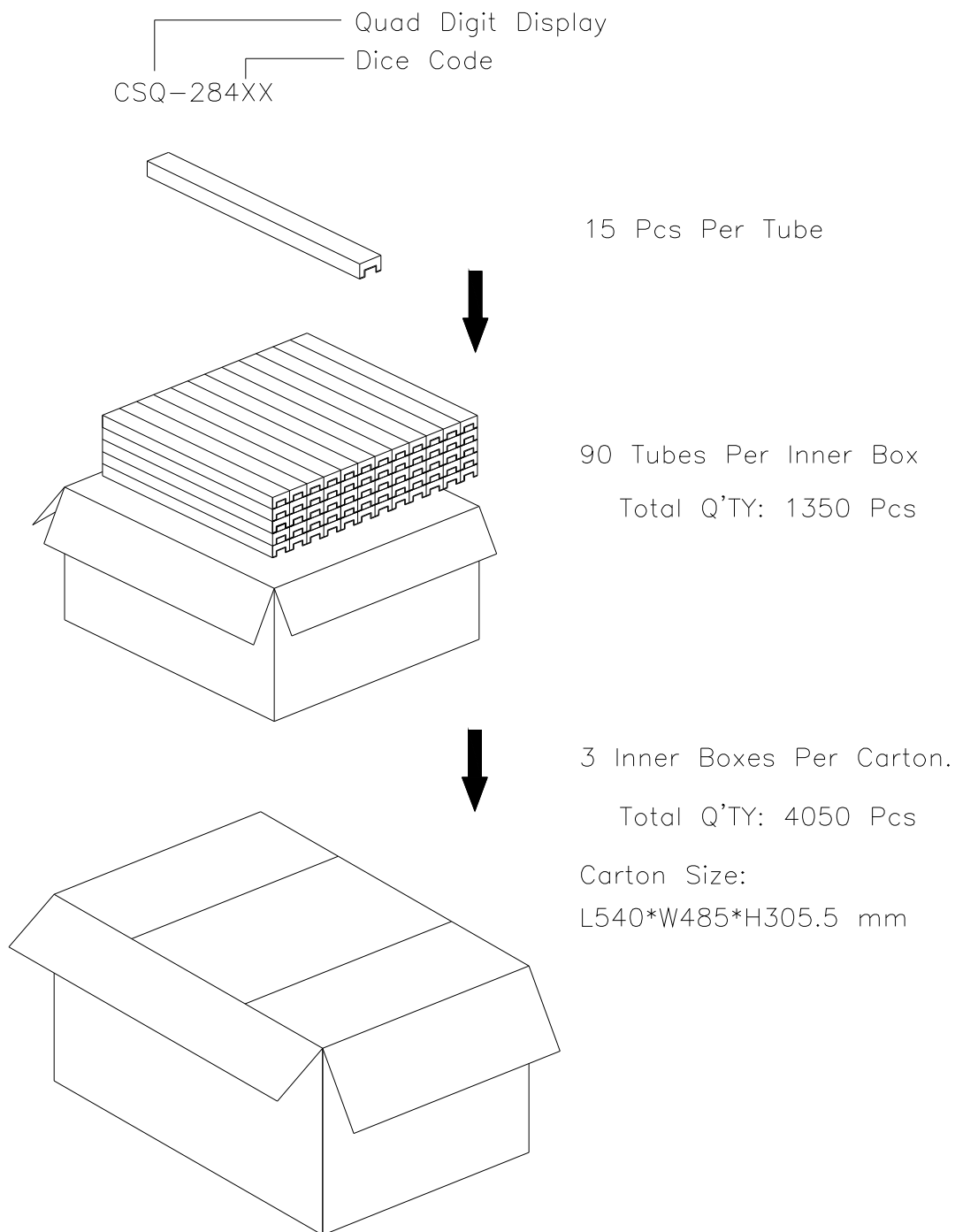
查询"CSQ-2842M9"供应商

CHINA
SEMICONDUCTOR
CORPORATION

Spec. No.	PS-ND-08090205
Rev.	A

Model No: CSQ-2842/2841M9

■ Package Dimensions



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