



WCN Opto Group Co., Limited

Company Name

Harman

Date

2018-7-5

Part No.

WCN355UY-C

Product Group Description

数码管

Customer Part No.

C050.042861

Approval Date

Customer Confirmation

Approved by

Checked by

Prepared By

Athena
2018-7-5

Fei
2018-7-5

Provenance: China

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DISPLAY SPECIFICATION**PART NO.: WCN355UY-C****CONTENT**

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REVISION RECORD

MARKER	Matter for revision	SHEET	DTAE	MAKER	APPOVED SIGN	
	Reason for revision					
A0	P# WCN355UY-C	WHOLE SHEET	2015-11-21	Fei	Athena	
	New Version issued					
A1	Change Outer Dimension	Page.5	2017-20-20	Fei	Athena	
A2	Increase customer type	Page.1	2017-04-10	Fei	Athena	
A3	Increase the packing specification and quantity	Page.8	2017-6-21	Fei	Athena	
A4	Change the materials to improve the quality	Page.5	2017-11-10	Fei	Athena	
	per customer request					

1. Type No./Manufacture's Name

WCN355UY-C WCN Opto Group Co., Limited.

2. Faction: Display Digit Characteristic**3. Epoxy and Overlay type. Black face and White segment.****4. Material and Finish of Lead Terminals:**

1	Material	Fe(Plating Cu)
2	Finish	Sn

APPEARANCE			DICE TECHNOLOGY	AlGalnp
FACE	SEGMENT	PIN	SOURCE COLOR	Yellow
			DRIVER MODE	Com. Cathode
Black	Milky	φ 0.6	PACKING	Plastic tray

5. Soldering Conditions: Soldering Temp. $260 \pm 5^{\circ}\text{C}$, Soldering Time. 3~5 sec.**(At 2 mm Distance from the Case of Reflector Edge)**

■ ABSOLUTE MAXIMUM RATINGS AT TA=25°C/Per Dice

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation	P _d	—	Yellow	65	mW
Forward Current	I _F	—	Yellow	25	mA
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	I _{FP}	1/10 Duty 10KHz	Yellow	100	mA
Reverse Voltage	V _R	—	Yellow	5	V
Operating Temperature Range	T _{opr}	—	—	-40~+85	°C
Storage Temperature Range	T _{stg}	—	—	-40~+85	°C
Junction Temperature				>85	°C

■ Electrical/Optical Characteristics Rating(Ta=25°C)

Item	Symbol	Test conditions	Location	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Dice	—	2.0	2.60	V
Reverse Current	I _R	V _R =5V	Per Dice	—	—	100	μA
Luminous Intensity	I _v	I _F =10mA	Per Dice	90	125	—	mcd
Chromaticity	λ _P	I _F =20mA	Per Dice	—	595	—	nm
	λ _D			588	590	594	
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =20mA				1.5:1	

Typical Optical-Electronic Characteristic Curves

光电特性曲线

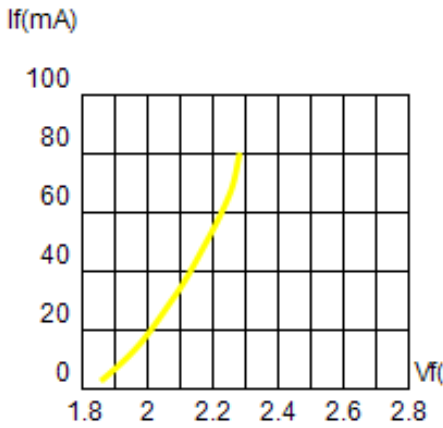


Fig.1 FORWARD CURRENT VS. FORWARD

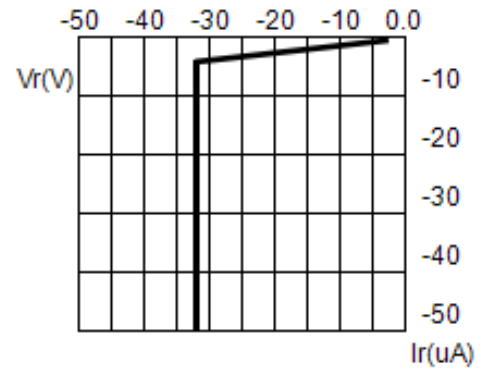
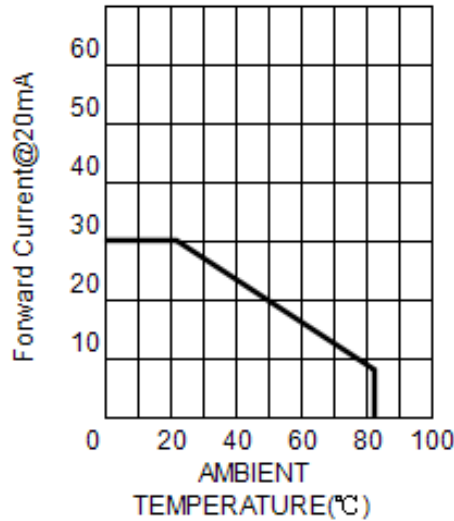


Fig.2 REVERSE CURRENT VS. REVERSE

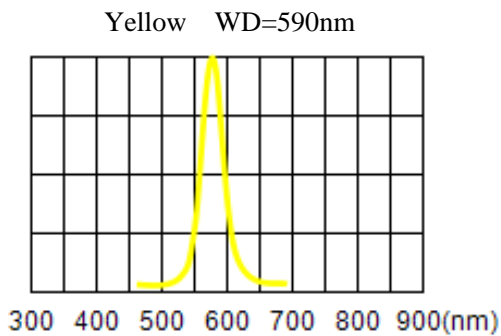
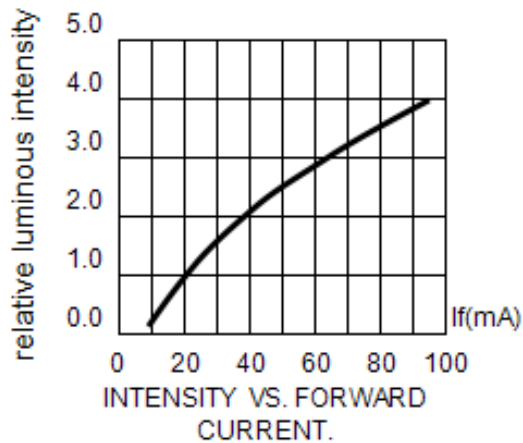


Fig.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.



WCN Opto Group Co., Limited

Packaging Data:

