

MICRO MODERN

SPECIFICATION FOR APPROVAL

DESCRIPTION : 4-Digit 0.56" Common Cathode Red 7-Segment LED Display

PART NUMBER : MM5819ER-1S

CUSTOMER : MICRO MODERN

拟制 (PREPARED BY) : LI PEIWEI

审核 (CHECKED BY) : WEN WU

批准 (APPROVED BY) : LIU ZHIYONG

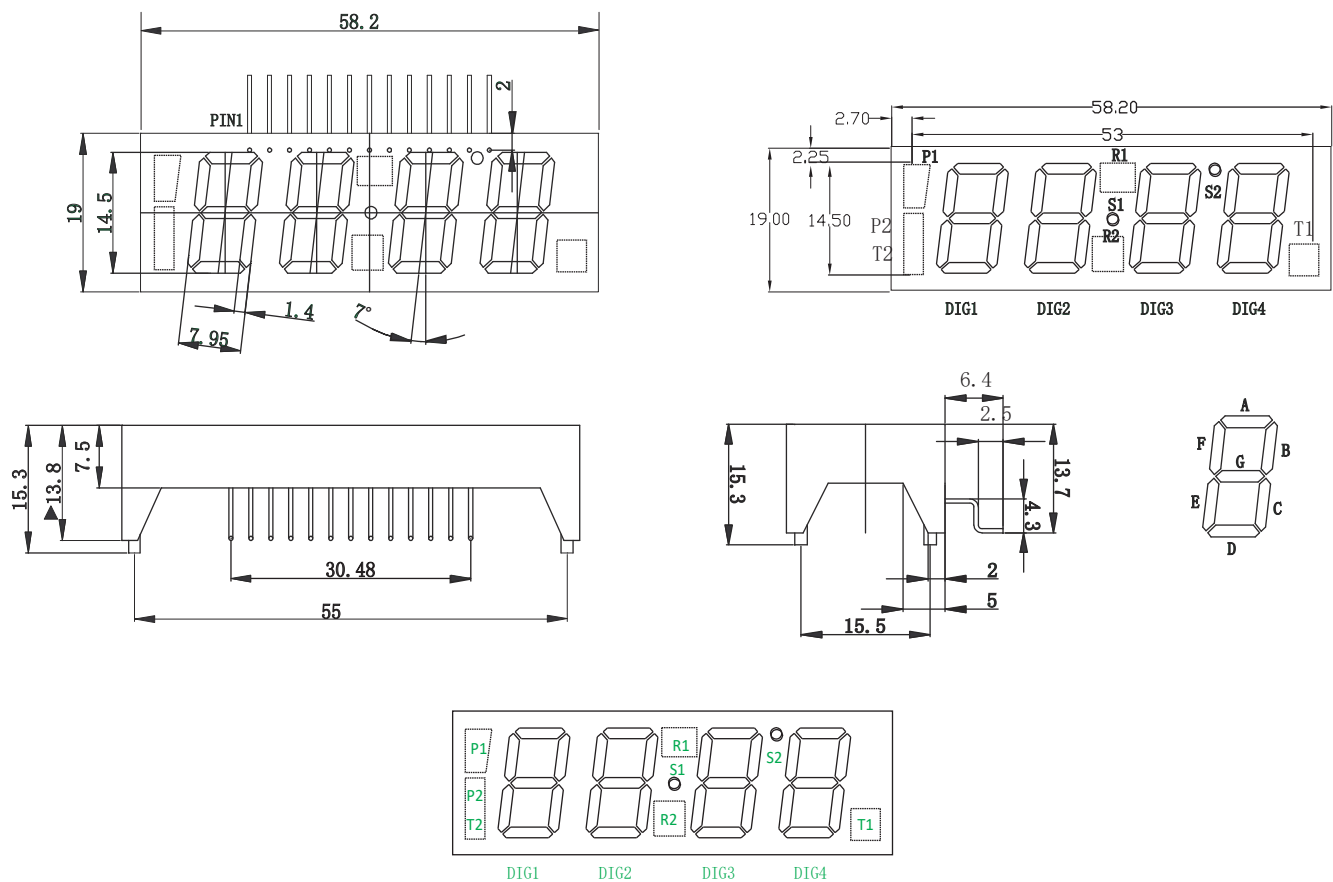
日期 (DATE): 2019.04.22

客户承认 (APPROVED BY CUSTOMER):

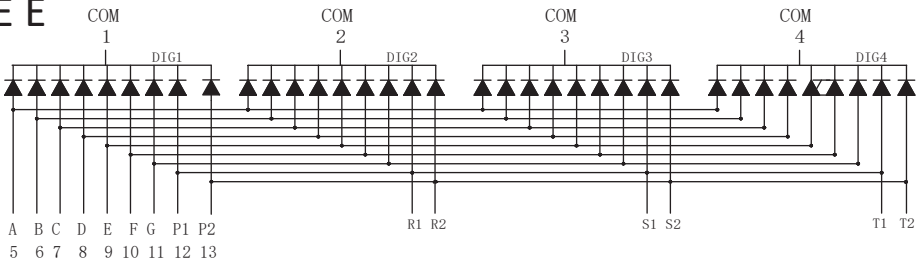
签名 (SIGNED): _____ 职务 (TITLE): _____ 日期 (DATE): _____

MICRO MODERN

MM5819



CODE E



MICRO MODERN

MM5819ER-1S

Dual-Digit 7-Segment LED Display

- Product Features:

01. Package Dimensions : 58.2*19*13.8mm
02. Digit height : 14.2mm (0.56inch)
03. Polarity: Common Cathode
04. Made with white segments black surface with film
05. Emitting colour: super bright red
06. High luminous intensity
07. Low power consumption
08. Continuous uniform segments
09. Easy mouning on PCB
10. IC compatible
11. RoHS Compliant

- Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

Parameter	Symbol	Rating	Unit
Forward Current (per led)	I_{PM}	20	mA
Reverse Voltage (per led)	V_R	5	V
Power Dissipation (per led)	P_M	50	mW
Operating Temperature Range	T_{opr}	-35~+120	$^{\circ}\text{C}$
Storage Temperature Range	T_{STg}	-40~+120	$^{\circ}\text{C}$
Solder Temperature (≤ 3 sec)	T_h	260	$^{\circ}\text{C}$

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Fig. 1

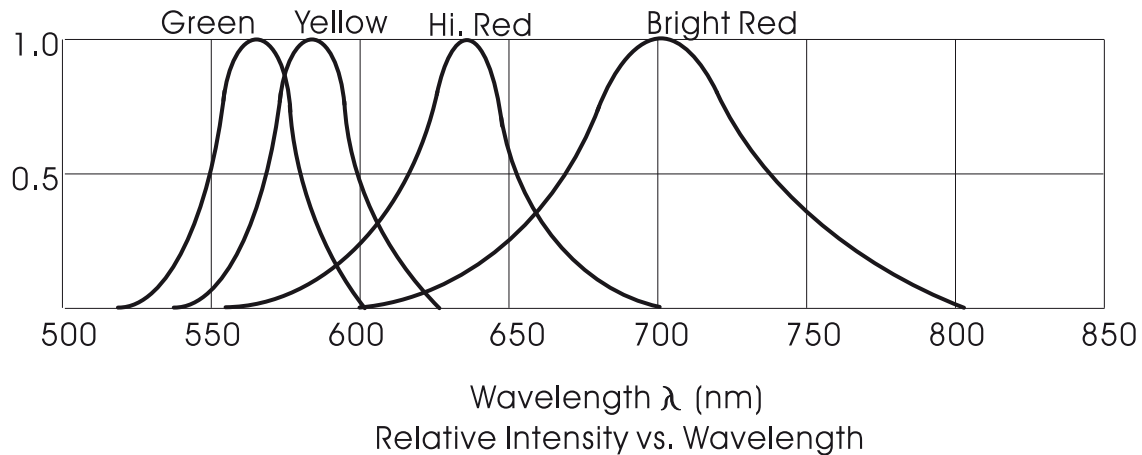


Fig. 2

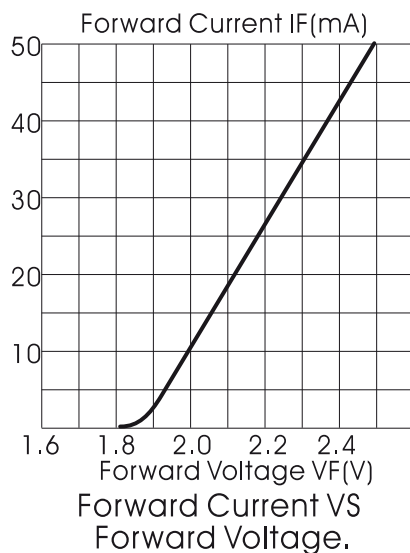


Fig. 3

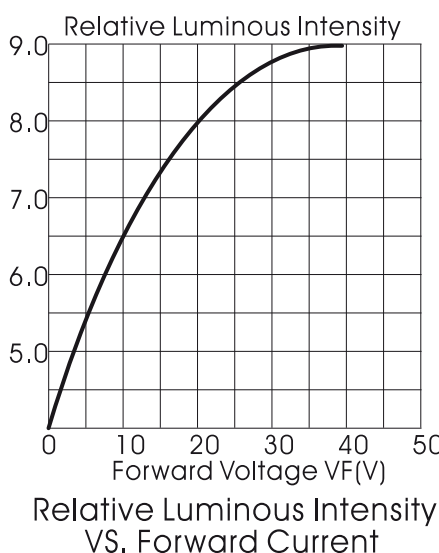
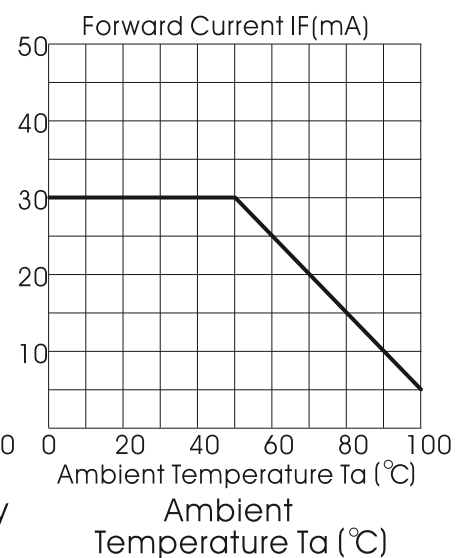


Fig. 4



Code: R(Super Bright Red)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage (per dice)	V_f	$I_f = 20\mu A$	1.8		2.2	V
Reverse Voltage (per dice)	V_r	$I_r = 10\mu A$	5	-	-	V
Luminous Intensity (per dice)	I_v	$I_f = 10mA$	50		60	mcd
Spectrum With Of Half Value	$\Delta \lambda$	$I_f = 20mA$		20		nm
Wavelength	$D \lambda$	$I_f = 20mA$	630		635	nm

LED working lifetime 100,000 hrs
Absolute Maximum Ratings at 25°C