

MICRO

ELECTRONICS

ME3113B
**BLUE
SIDE BACKLIGHT
FOR LCD DISPLAY**

ABSOLUTE MAXIMUM RATINGS

Power Dissipation	P_d	120mW
Continuous Forward Current	I_F	30mA
Reverse Voltage	V_R	10V
Operating Temperature Range	T_{opr}	-20 to +70°C
Storage Temperature Range	T_{stg}	-25 to +75°C

ELECTRO-OPTICAL CHARACTERISTICS (CHIP) (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	V_F		3.3	3.5	V	$I_F=20mA$
Reverse Current	I_R			100	μA	$V_R=5V$
Dominant Wavelength	λ_d	465		470	nm	$I_F=20mA$
Spectral Line Half Width	$\Delta\lambda$		30		nm	$I_F=20mA$

ELECTRO-OPTICAL CHARACTERISTICS (ME3113B) (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	V_F		3.3	3.5	V	$I_F=20mA$
Reverse Current/Chip	I_R			100	μA	$V_R=10V$
Dominant Wavelength	λ_d	465		470	nm	$I_F=20mA$
Spectral Line Half Width	$\Delta\lambda$		30		nm	$I_F=20mA$
Brightness	B	50	80		cd/m ²	$I_F=20mA$

CAUTION

Static electricity and surge damages the backlight, It is recommended to use a wrist band or anti-electrostatic glove when handling the backlight. All devices, equipment and machinery must be properly grounded.


MICRO ELECTRONICS LTD.

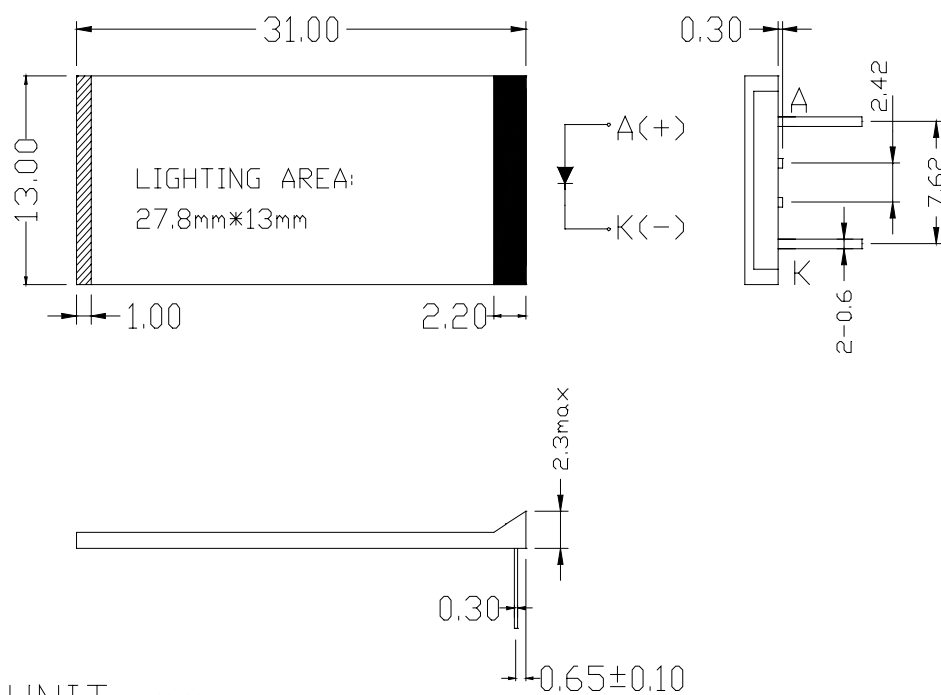
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REV : A

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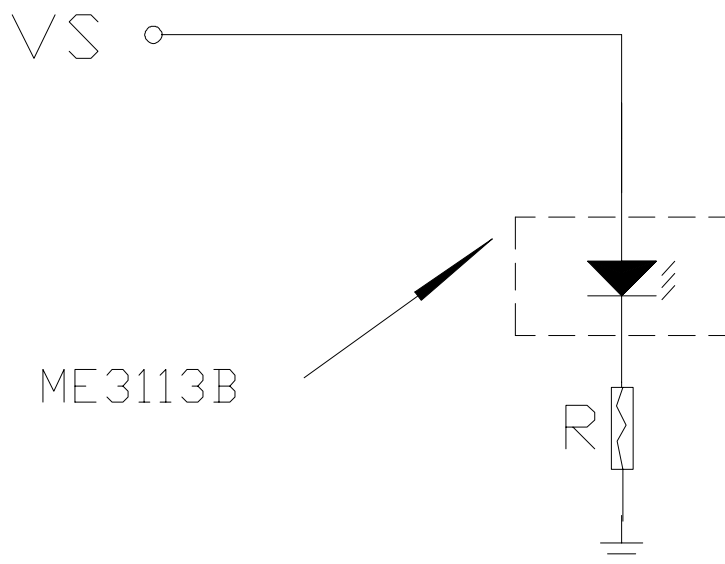
MECHANICAL OUTLINE:



UNIT: mm

TOL : ±0.30mm unless other wise noted

RECOMMENDED CIRCUIT:



Parallel Connection