

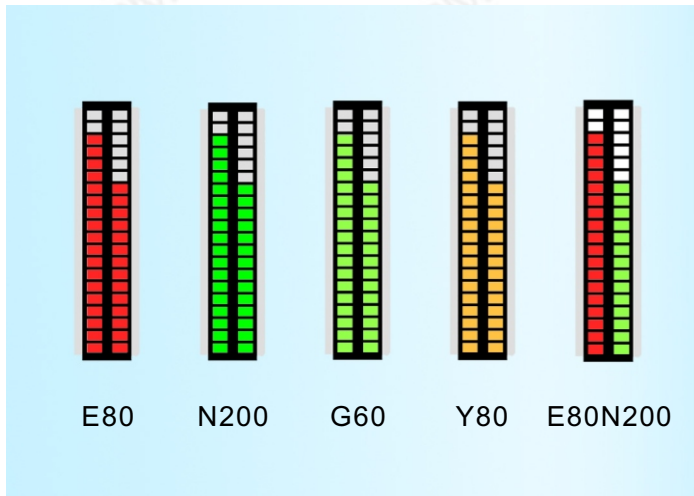
BL Series of LED Bargraph Indicator Device

BL220-3803SA10、BL220-3803SK10

20×2 Segments 38 mm LED Linear Array

BL

S



Description

The BL series of LED Bargraph display, using high brightness LED chips and semiconductor encapsulations processing technology, is the ideal display device to replace moving coil indicators. Widely used in electronic display meters and instruments. The feature is as follows.

Features

- The use of sub-block scattering techniques, wide angle of view
- Clearly display, uniform brightness
- Antimagnetic, aseismatic, impact resistance
- High reliability, maximum mean life

Absolute Maximum Rating ($T_A=25^\circ\text{C}$)

	Symbol	Min.	Typ.	Max.	Units
Peak forward current	I_F	30	80	100	mA
Reverse voltage	V_R		5		V
Power dissipation	P_W		0.2 (F. S.)	0.3	W
Operating temperature range	T_J	-25		70	$^\circ\text{C}$
Storage temperature range	T_{Stg}	-40		85	$^\circ\text{C}$
Soldering time at 260°C			3sec		

Electro-optical Characteristics ($T_A=25^\circ\text{C}$)

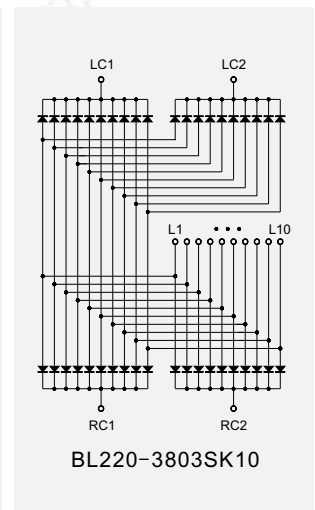
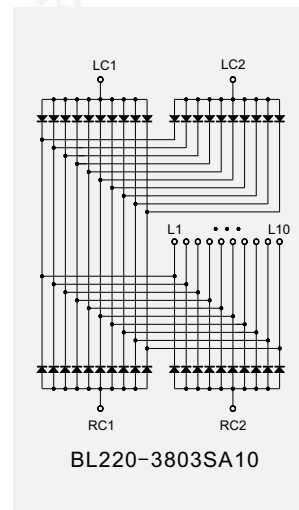
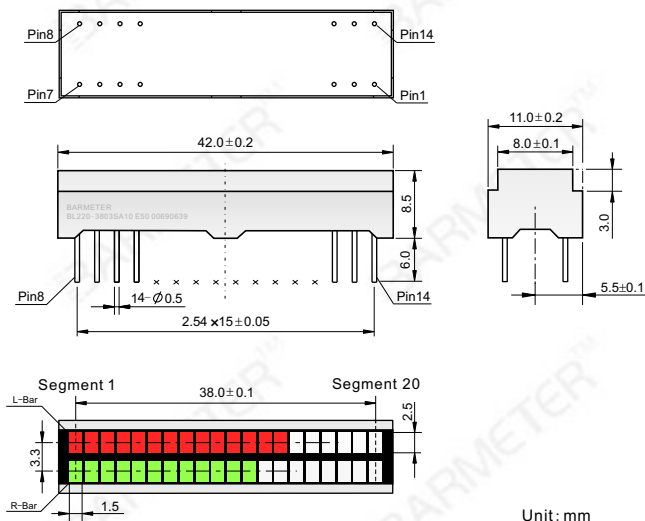
	Symbol	Red (E80)	Green (G60)	Yellow (Y80)	Emerald (N200)	Test condition
Peak wavelength	λ_P	625nm	570nm	590nm	510nm	$I_F=20\text{mA}$
Segment brightness	I_V	80mcd	60mcd	80mcd	200mcd	$I_F=20\text{mA}$
Forward voltage	V_F	1.9V	2.0V	2.0V	3.2V	$I_F=20\text{mA}$

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Dimension and Circuit



Pin Definition

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	LC2						LC1	RC1						RC2
		L8	L7	L4	L2	L1			L3	L5	L6	L9	L10	

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TEL: (86-21) 68065675, 68065676 FAX: (86-21) 68065673
Barmeter Electronics Co. No.5998 Yanggao Rd(s). Shanghai [Http://www.barmeter.com](http://www.barmeter.com)