

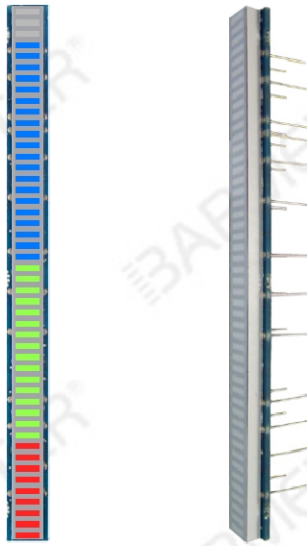
BL Series of LED Bargraph Indicator Device

BL48-1005MFA03 BL48-1005MFK03

48 Segments 100 mm LED Linear Array

BL

M



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
- Full color display
- 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 ($T_A=25^\circ\text{C}$)

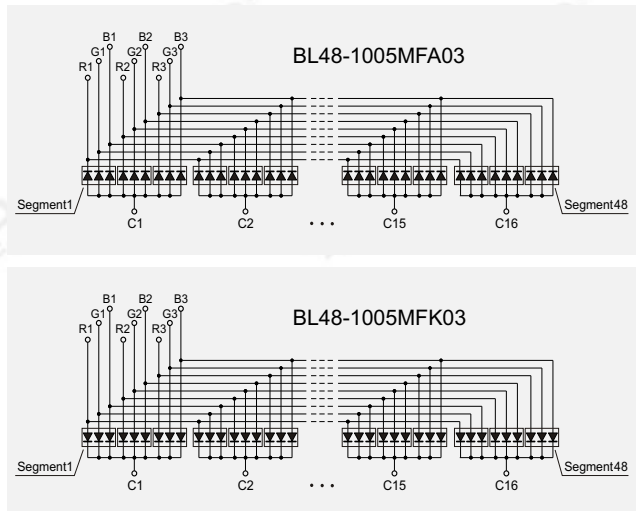
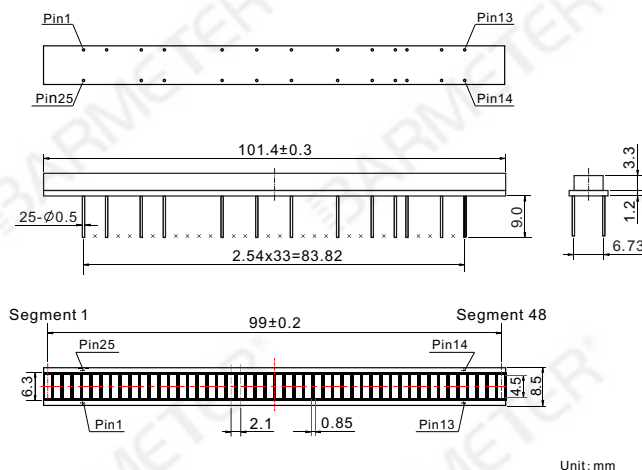
	Symbol	Red (E80)	Green (G60)	Blue (B140)	Test condition
Peak wavelength	λ_P	625nm	570nm	464nm	$I_F=20\text{mA}$
Segment brightness	I_V	80mcd	60mcd	140mcd	$I_F=20\text{mA}$
Forward voltage	V_F	2.0V	2.0V	3.2V	$I_F=20\text{mA}$

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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	15	16	17	18	19	20	21	22	23	24	25
		B3				G2	B1		R1				R3	G3		B2	R2								G1
	C1		C3	C4	C6			C10		C13	C14	C16			C15				C12	C11	C9	C8	C7	C5	C2