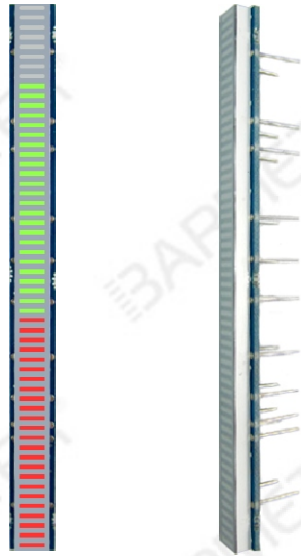


BL Series of LED Bargraph Indicator Device

BL56-1005MDA04 BL56-1005MDK04 56 Segments 100mm tri-color 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
- Tri-color display
- 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 ($T_A=25^\circ\text{C}$)

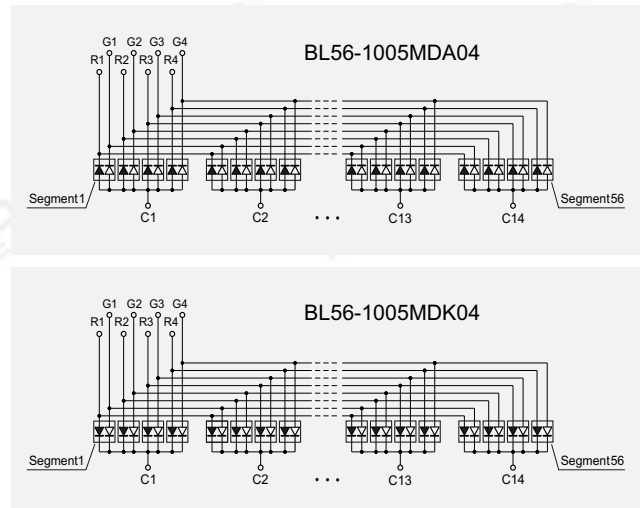
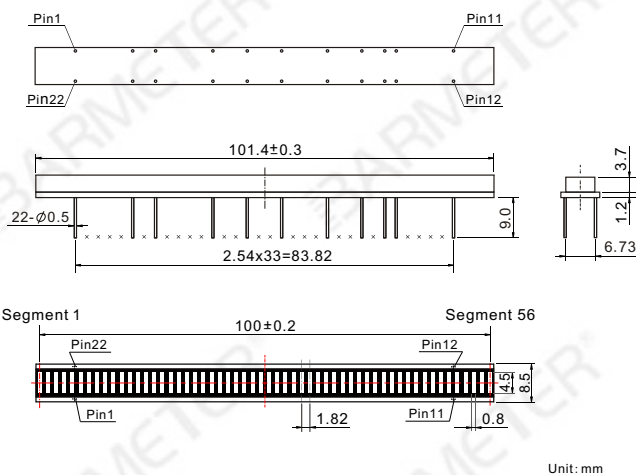
	Symbol	Red (E80)	Green (G60)	Test condition
Peak wavelength	λ_P	625nm	570nm	$I_F=20\text{mA}$
Segment brightness	I_V	80mcd	60mcd	$I_F=20\text{mA}$
Forward voltage	V_F	2.0V	2.0V	$I_F=20\text{mA}$

[Http://www.barmeter.com](http://www.barmeter.com)

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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	
	C1	C3	C4	C6			C10		C13	C14					C12	C11	C9	C8	C7	C5		C2	
					R3	R2		R1			R4	G4	G3	G2								G1	