

**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<sub>A</sub>=25°C)**

	Symbol	Min.	Typ.	Max.	Units
Peak forward current	I <sub>F</sub>	30	80	100	mA
Reverse voltage	V <sub>R</sub>		5		V
Power dissipation	P <sub>W</sub>		0.2 (F.S.)	0.3	W
Operating temperature range	T <sub>J</sub>	-25		70	°C
Storage temperature range	T <sub>Stg</sub>	-40		85	°C
Soldering time at 260°C			3sec		

**Electro-optical Characteristics (T<sub>A</sub>=25°C)**

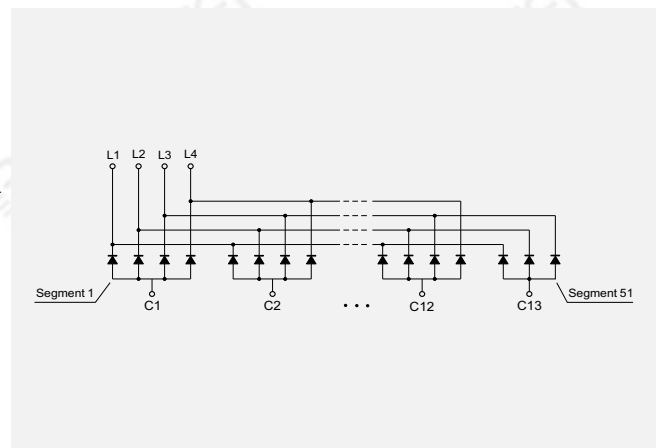
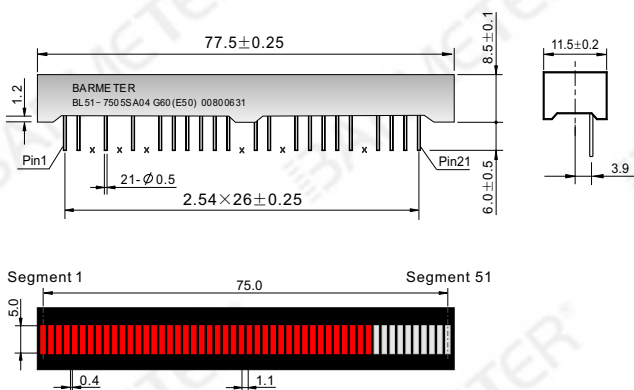
	Symbol	Red (E80)	Green (G60)	Yellow (Y80)	Emerald (N200)	Test condition
Peak wavelength	λ <sub>P</sub>	625nm	570nm	590nm	510nm	I <sub>F</sub> =20mA
Segment brightness	I <sub>V</sub>	80mcd	60mcd	80mcd	200mcd	I <sub>F</sub> =20mA
Forward voltage	V <sub>F</sub>	1.9V	2.0V	2.0V	3.2V	I <sub>F</sub> =20mA

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