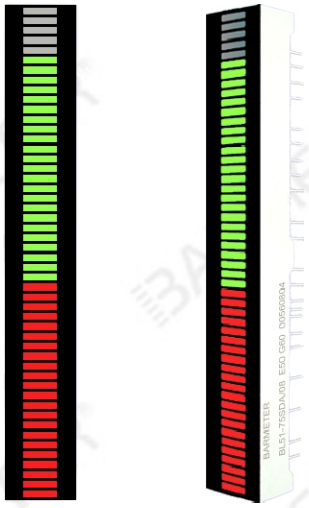
BL Series of LED Bargraph Indicator Device

BL51-7505SDA04 — 51 Segments 75mm 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 the angle of view
- Clearly display, uniform brightness
- Antimagnetic, aseismatic, impact resistance
- High reliability, maximum mean life

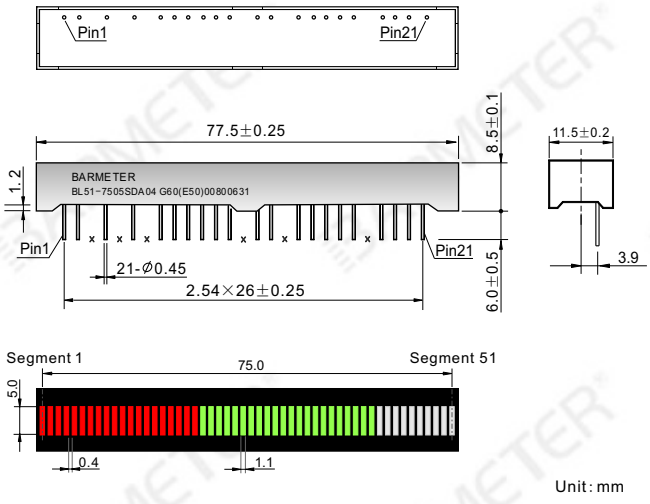
Absolute Maximum Rating (T_A=25℃)

	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	℃
Storage temperature range	T_{stg}	-40		85	℃
Soldering time at 260℃			3sec		

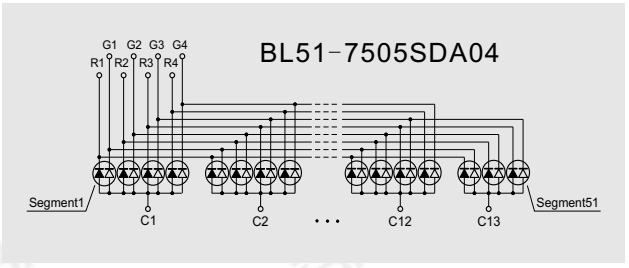
Electro-optical Characteristics (T_A=25℃)

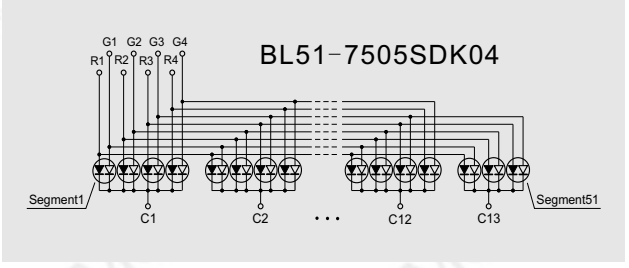
	Symbol	Red(E80)	Green(G60)	Test condition
Peak wavelength	λ_P	625nm	570nm	I_F=20mA
Segment brightness	I_V	80mcd	60mcd	I_F=20mA
Forward voltage	V_F	1.9V	2.0V	I_F=20mA

Dimension and Circuit



Unit: mm





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
	R1					R2		G2	G4				R3		R4				G1	G3	