High efficiency, single-character alphanumeric displays

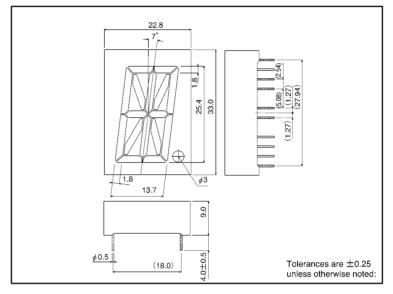
LA-131 AK Series

The LA-131 AK series are LED alphanumeric displays designed to be used in bright locations. The height of the character is 25.4 mm, and the color is bright red. These displays have been designed for use as large numeric displays.

Features

- 1) Height of character: 25.4 mm.
- 2) Dimensions : $22.8 \times 33 \times 9$ mm.
- 3) Common anode and common cathode configurations are available.
- The package surface is painted black and the segments are milky white.
- 5) High luminance, clear display.

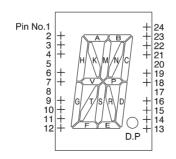
External dimensions (Units: mm)



Selection guide

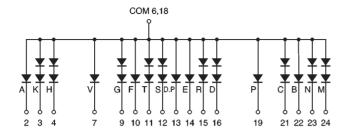
Emitting color Common	Red	
Anode	LA-131LA	
Cathode	LA-131LK	

Pin assignments



Pin No.	Function		
2	Segment "A"		
3	Segment "K"		
4	Segment "H"		
6	Common		
7	Segment "V"		
9	Segment "G"		
10	Segment "F"		
11	Segment "T"		
12	Segment "S"		
13	Segment "D.P"		
14	Segment "E"		
15	Segment "R"		
16	Segment "D"		
18	Common		
19	Segment "P"		
21	Segment "C"		
22	Segment "B"		
23	Segment "N"		
24	Segment "M"		

Internal circuit schematic (example of common anode)



●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Red	Unit	
	Symbol	LA-131LA / LK		
Power dissipation	P□	1500	mW	
Power dissipation	P _D / seg	125 / 2 elements 62.5 / 1 element mW		
Forward current	lF	25	mA	
Peak forward current	I FP	80*	mA	
Reverse voltage	VR	8 / 2 elements 4 / 1 element	V	
Operating temperature	Topr	−25~+75	°C	
Storage temperature	Tstg	-30~+85	Ĉ	

^{*} Pulse width 1ms duty 1 / 5

●Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Conditions	Red			Unit
raiailletei	Symbol	Conditions	Min.	Тур.	Max.	Onit
Forward voltage	VF	I==20mA	_	1.75	2.5	V
Reverse current	lR	V _R =3V	_	_	100	μΑ
Peak wavelength	λР	I=20mA	_	660	_	nm
Spectral line half width	Δλ	I=20mA	_	25	_	nm

O Not designed for radiation resistance.

Luminous intensity

Color	λР	Туре	Min.	Тур.	Max.	Unit
Red	660	LA-131LA	36	100	ı	mcd
		LA-131LK				

Note: Measured at Ir = 20 mA

The forward voltage and reverse current values are the guaranteed values per element.