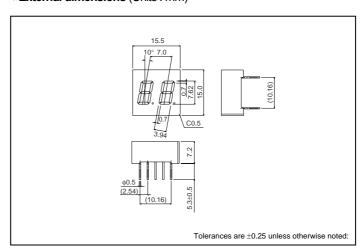
High efficiency, two-digit numeric displays LB-302FP Series

The LB-302FP series were designed to meet the need for multi-digit numeric displays. These two-digit LED numeric displays have a character height of 7.62 mm.

Features

- 1) Height of character: 7.62 mm
- 2) High efficiency in a compact package.
- Common anode and common cathode configurations are available for red, orange and green.
- 4) The package surface is painted black and the segments are milky white.

●External dimensions (Units : mm)

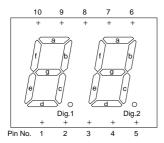


Selection guide

Emitting color Common	Red	Orange	Green		
Anode	LB-302VF	LB-302DF*	LB-302MF		
Cathode	LB-302VP	LB-302DP*	LB-302MP		

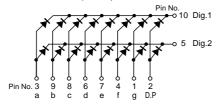
^{*}Order-based production.

Pin assignments



Pin No.	Function
1	Segment "g"
2	D.P
3	Segment "a"
4	Segment "f"
5	Digit 2 Common
6	Segment "d"
7	Segment "e"
8	Segment "c"
9	Segment "b"
10	Digit 1 Common

●Internal circuit schematic (example of common cathode)



● Absolute maximum ratings (Ta = 25°C)

	0 1 1	Red	Orange	Green	
Parameter	Symbol	LB-302VF / VP	LB-302DF / DP	LB-302MF / MP	Unit
Power dissipation	PD	800	800	960	mW
Power dissipation	P⊳/ seg	50	50	60	mW
Forward current	lF	15	15	20	mA
Peak forward current	IFP	60*	60*	60*	mA
Reverse voltage	VR	5	5	5	V
Operating temperature	Topr	-25~+75			°C
Storage temperature	Tstg		°C		

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

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

Doromotor	Symbol	Conditions	Red		Orange		Green		I Imit			
Parameter			Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Unit
Forward voltage	VF	I _F = 10mA	_	2.0	2.8	_	2.0	2.8	_	2.1	2.8	V
Reverse current	lR	$V_R = 5V$	_	-	100	-	_	100	_	-	100	μА
Peak wavelength	λР	I _F = 10mA	-	650	_	-	610	_	_	563	_	nm
Spectral line half width	Δλ	I _F = 10mA	-	40	_	-	40	-	_	40	-	nm

O Not designed for radiation resistance.

Luminous intensity

Color	λР	Туре	Min. Typ.		Max.	Unit
Red	650	LB-302VF / VP	2.2	6.3	_	mcd
Orange	610	LB-302DF / DP	2.2	6.3	-	mcd
Green	563	LB-302MF / MP	2.2	6.3	_	mcd

Note : Measured at IF = 10mA

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