

TOSHIBA LED DISPLAY

TLG372, TLG373, TLR372, TLR373

5X7 DOT MATRIX LED DISPLAY

- 6.0mm (0.24") Character Height.
- X-Y matrix connection. (Multiplex drive)
- 36 light emitting diodes including decimal point.
- Capable of displaying full ASCII characters.
- Application Keyboard verifier, Computer Peripheral display, Information display.

PRODUCT LINE UP

TLG372/TLG373	GaP GREEN
TLR372/TLR373	GaP RED

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
DC Forward Current / Dot. (Note)	I_{FP} / Dot	30	mA
DC Reverse Voltage / Dot.	V_R	6	V
Operating Temperature Range	T_{opr}	-30~85	°C
Storage Temperature Range	T_{stg}	-30~100	°C

Note : Pulse Width = 1ms, Duty Ratio = 1/7

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25°C)

TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I_V / seg			FORWARD VOLTAGE V_F / Dot				REVERSE CURRENT I_R / Dot		LUMINOUS INTENSITY MATCHING RATIO I_V-M	
	λ_p	$\Delta\lambda$	I_F / Dot	Min.	Typ.	I_F / Dot	Min.	Typ.	Max.	I_F / seg	Max.	V_R / seg	Max.	I_F / Dot
TLG Series	565	30	20	0.05	0.14	20	1.8	2.15	2.75	20	5	6	2.0	20
TLR Series	700	100	1/7	0.03	0.045	1/7								1/7
UNIT	nm		mA	mcd			V			mA	μA	V	—	mA

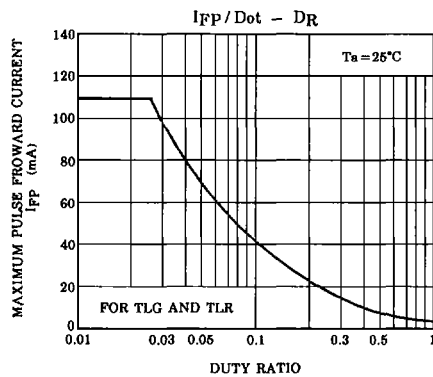
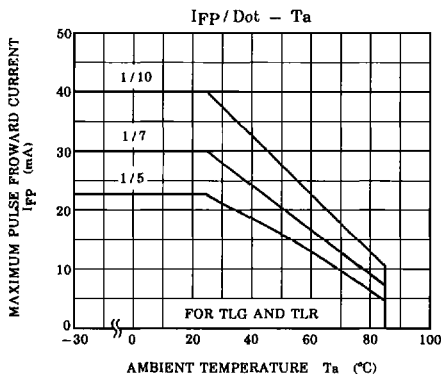
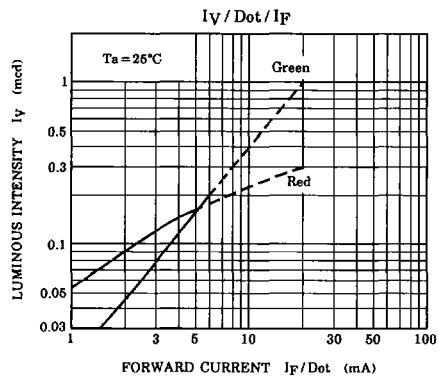
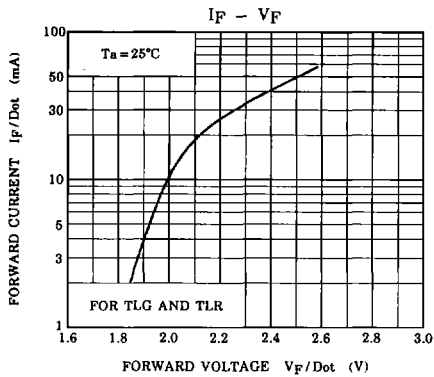
PRECAUTION

Please be careful of the following.

- Soldering temperature should be less than 260°C for 7 seconds at 1.5mm from the seating plane.
- With the case-type LED display, cleaning all over may cause cracks in the case.

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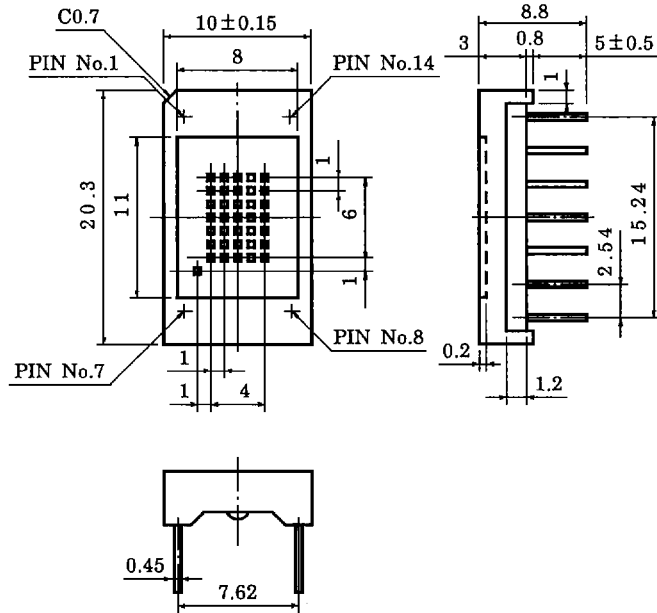


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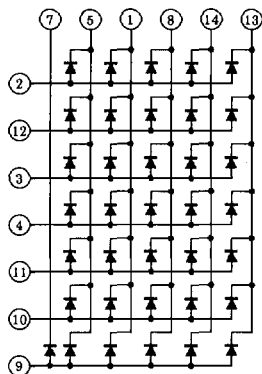
OUTLINE DIMENSIONS

Unit in mm
Tolerance is ± 0.25
Unless otherwise noted

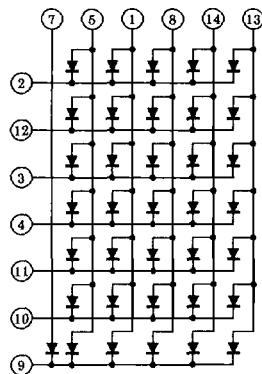


PIN CONNECTION

PIN No.	CONNECTION		PIN No.	CONNECTION	
	TLR372 TLG372	TLR373 TLG373		TLR372 TLG372	TLR373 TLG373
1	Column2 Cathode	Column2 Anode	8	Column3 Cathode	Column3 Anode
2	Row1 Anode	Row1 Cathode	9	Row7 Anode	Row7 Cathode
3	Row3 Anode	Row3 Cathode	10	Row6 Anode	Row6 Cathode
4	Row4 Anode	Row4 Cathode	11	Row5 Anode	Row5 Cathode
5	Column1 Cathode	Column1 Anode	12	Row2 Anode	Row2 Cathode
6	Omitted	Omitted	13	Column5 Cathode	Column5 Anode
7	Decimal Cathode	Decimal Anode	14	Column4 Cathode	Column4 Anode



(TLR372 / TLG372)



(TLR373 / TLG373)