TOSHIBA LED DISPLAY

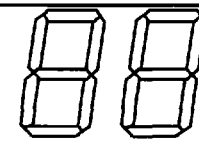
TLG322, TLG323, TLR322, TLR323

- 7.6mm Character Height 2 Dight Display for Multiplex Drive Use.
- Applications : Numerical Readout for Instrument and Consumer Product.
- Luminous Intensity Ranking Performed Uniform Display.

PRODUCT LINE UP

TLG322 / TLG323	GaP GREEN
TLR322 / TLR323	GaP RED

TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG322 TLR322	TLG323 TLR323	

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING		UNIT
		TLGxxxA	TLRxxx	
DC Forward Current / seg.	I_F (DC) / seg	13	13	mA
Pulse Forward Current / seg. (Note)	I_{FP} / seg	50	50	mA
Reverse Voltage / seg.	V_R	6	3	V
Operating Temperature Range	T_{opr}	−30~75	−30~75	°C
Storage Temperature Range	T_{stg}	−30~80	−30~80	°C

Note : Pulse Width = 1ms, Duty Ratio = 1 / 10

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25°C)

TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I_V / seg			FORWARD VOLTAGE V_F / seg				REVERSE CURRENT I_R / seg		LUMINOUS INTENSITY MATCHING RATIO $I_{V\text{-}M}$	
	λ_p	$\Delta\lambda$	I_F/seg	Min.	Typ.	I_F/seg	Min.	Typ.	Max.	I_F/seg	Max.	V_R/seg	Max.	I_F/seg
TLG Series	565	30	10	0.13	(0.32)	10	1.8	2.0	2.5	10	5	6	2.5	5
TLR Series	700	100		0.13	0.15	5	1.8	2.1	2.5	15		3	2.5	5
UNIT	nm		mA	mcd		mA	V			mA	μA	V	—	mA

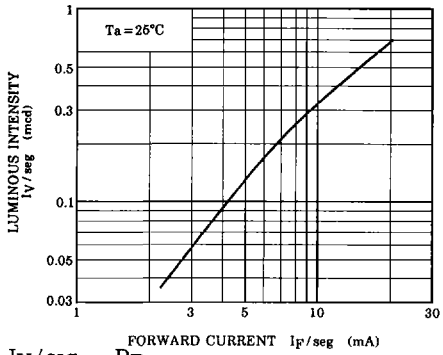
PRECAUTION

Please be careful of the following.

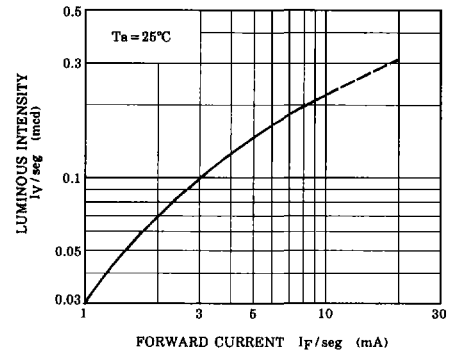
- Soldering temperature should be less than 260°C for 7 seconds at 1.5mm from the seating plane.
- With the case-type LED display, cleaning all over may cracks in the case.

I_V / seg – I_F / seg

TLG Series

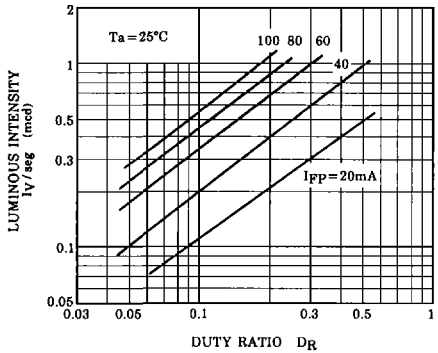


TLR Series

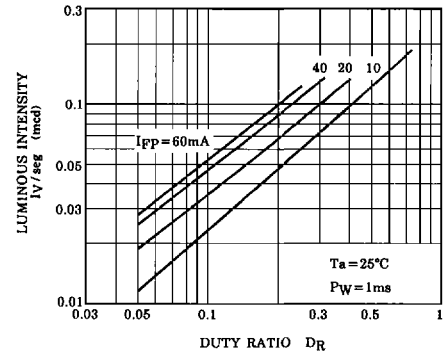


I_V / seg – D_R

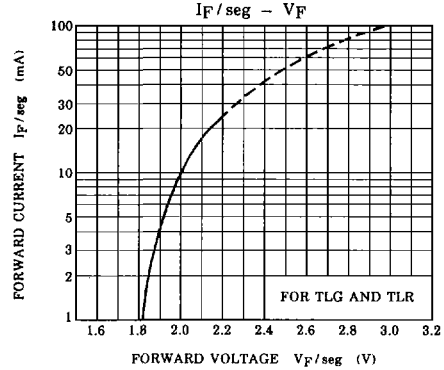
TLG Series



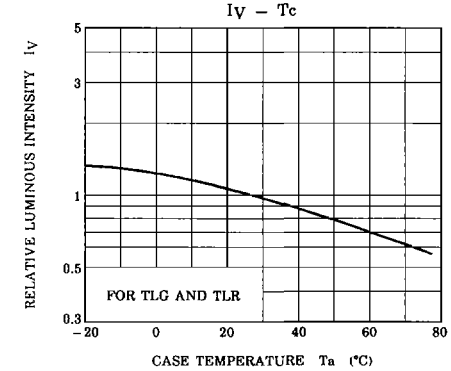
TLR Series



I_F / seg – V_F



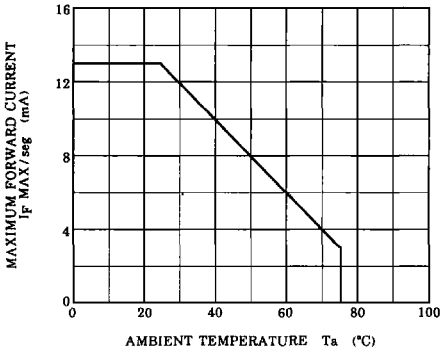
I_V – Tc



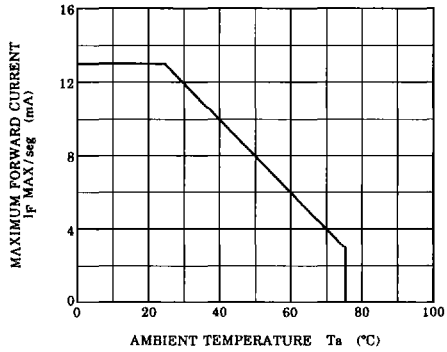
961001EAA2'

I_F (DC) MAX / seg – Ta

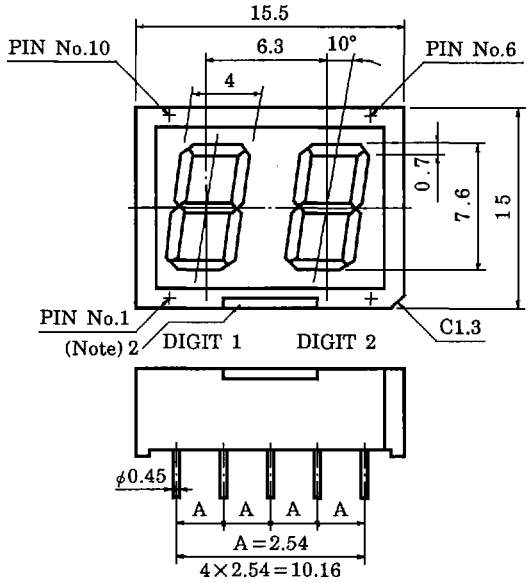
TLG Series



TLR Series

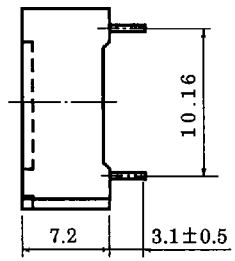


OUTLINE DIMENSIONS

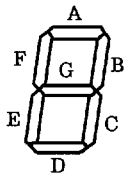


Unit in mm

1. Tolerance is ±0.25 unless otherwise noted.



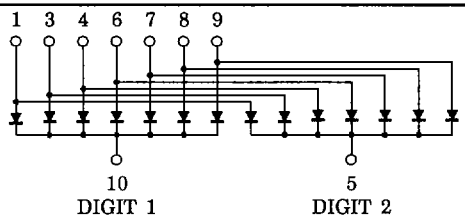
SEGMENT NAME



Weight : 2.08g
322 Series : TOSHIBA 4-16A1A
323 Series : TOSHIBA 4-16A1B
Note 2. INDEX

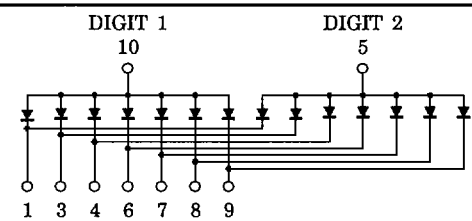
PIN CONNECTION

322 Series



PIN No.	CONNECTION
1	Anode g
2	No Pin
3	Anode a
4	Anode f
5	Digit 2 Common Cathode
6	Anode d
7	Anode e
8	Anode c
9	Anode b
10	Digit 1 Common Cathode

323 Series



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