

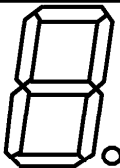
TOSHIBA LED DISPLAY
**TLG346T, TLG347T, TLS346T
TLS347T, TLR346T, TLR347T**

- 10mm (0.4") Character Height Numerical Display.
- Application : Numerical Readout for Instrument and Consumer Product.
- Luminous Intensity Ranking Performed Uniform Display.
- Available Both Types of Package Colors.
TL□xxxS : Gray Color Coated Only on Surface.
TL□xxxT : Black Color Coated Only on Surface.

PRODUCT LINE UP

TLG346T / TLG347T	GaP GREEN
TLS346T / TLS347T	GaAsP RED
TLR346T / TLR347T	GaP RED

TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG346T TLS346T TLR346T	TLG347T TLS347T TLR347T	

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
DC Forward Current / seg.	I _F (DC) / seg	20	mA
Pulse Forward Current / seg. (Note)	I _{FP} / seg	110	mA
Reverse Voltage / seg.	V _R	6	V
Operating Temperature Range	T _{opr}	-40~85	°C
Storage Temperature Range	T _{stg}	-40~85	°C

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

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- Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.
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- The information contained herein is subject to change without notice.

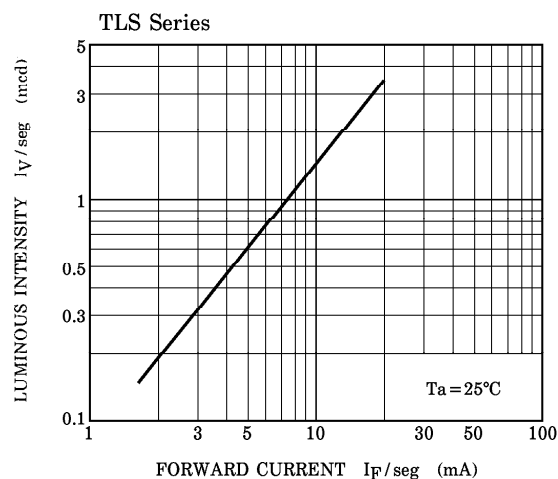
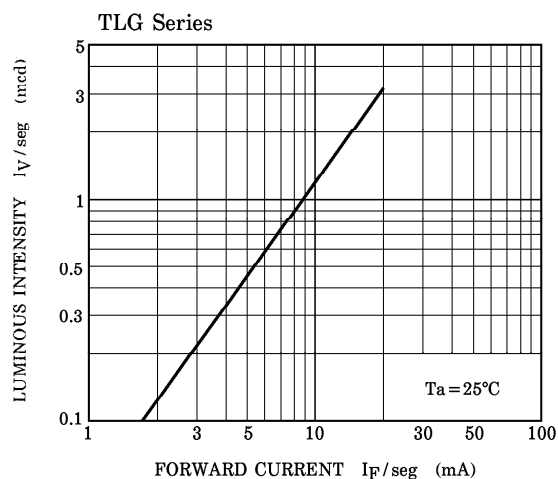
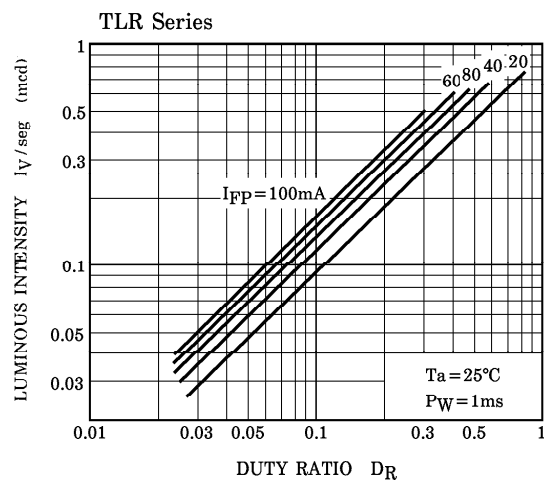
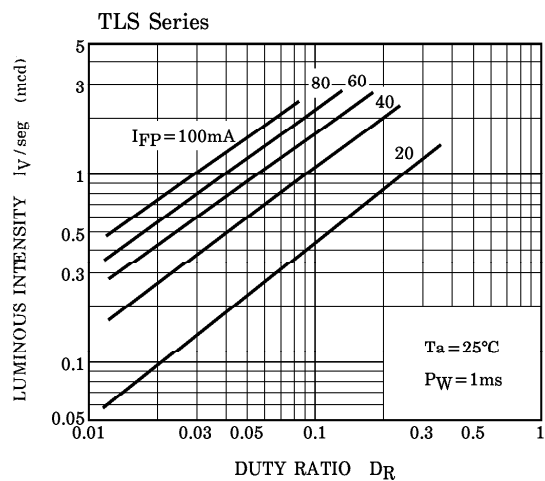
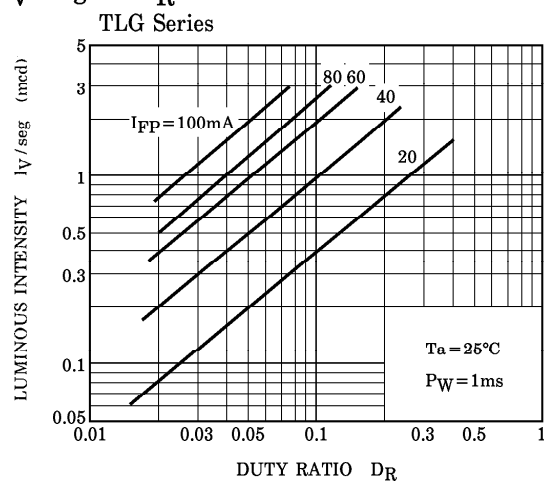
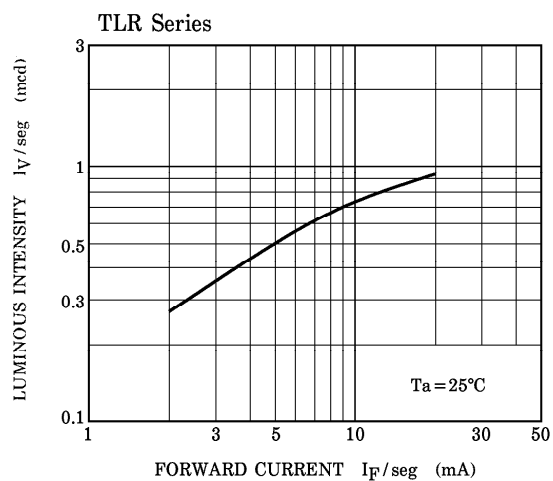
ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25°C)

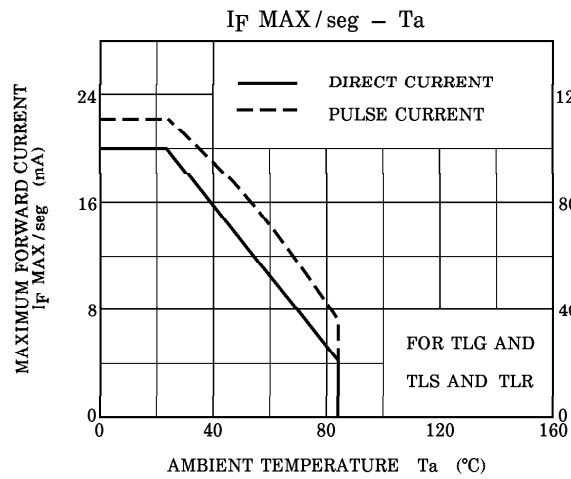
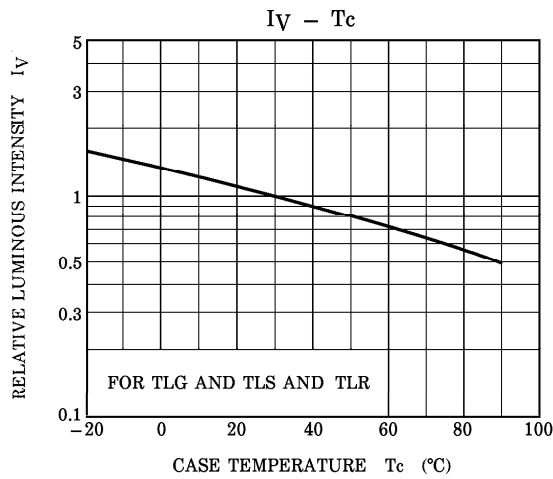
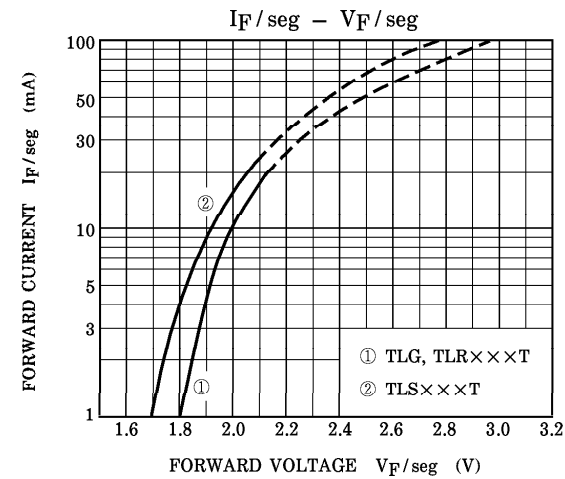
TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I _V / seg			FORWARD VOLTAGE V _F / seg				REVERSE CURRENT I _R / seg		LUMINOUS INTENSITY MATCHING RATIO I _{V-M}	
	λ _p	Δλ	I _F /seg	Min.	Typ.	I _F /seg	Min.	Typ.	Max.	I _F /seg	Max.	V _R /seg	Max.	I _F /seg
TLG Series	565	30	10	0.54	1.22	10	1.7	2.0	2.5	10	5	6	2.3	10
TLS Series	635	40		0.72	1.64		1.7	1.9	2.5					
TLR Series	700	100		0.23	0.52	5	1.4	2.0	2.5					5
UNIT	nm		mA	mcd		mA	V			mA	μA	V	—	mA

PRECAUTION

Please be careful of the following.

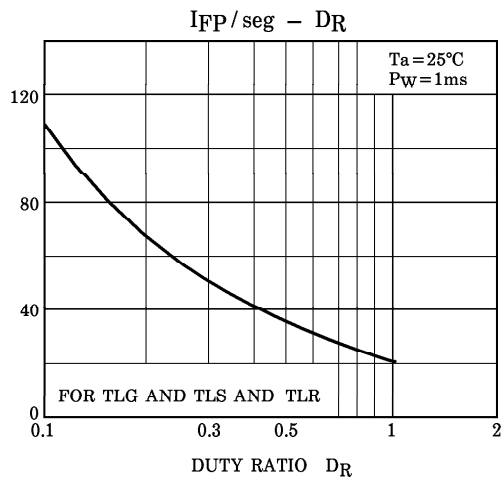
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

$I_V/\text{seg} - I_F$  $I_V/\text{seg} - D_R$ 

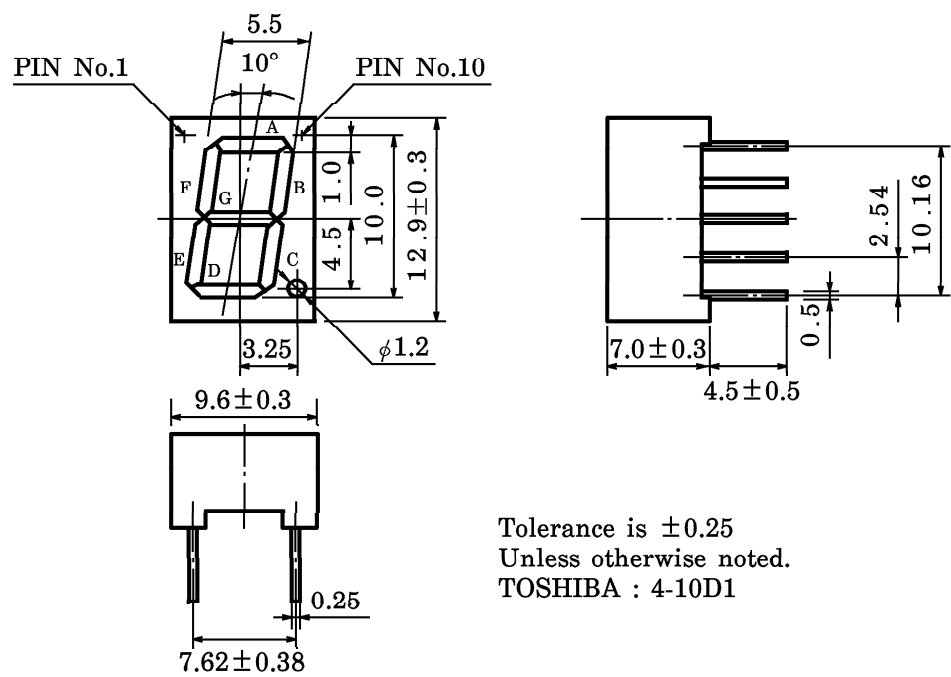


MAXIMUM PULSE FORWARD CURRENT
 I_{FP} / seg (mA)
(DUTY RATIO = 1/10, PULSE WIDTH = 1ms)

MAXIMUM PULSE FORWARD CURRENT
 I_{FP} / seg (mA)



OUTLINE DIMENSIONS



Tolerance is ±0.25
Unless otherwise noted.
TOSHIBA : 4-10D1

PIN CONNECTION

346T Series		347T Series	
PIN No.	CONNECTION	PIN No.	CONNECTION
1	Common Cathode	1	Common Anode
2	Anode F	2	Cathode F
3	Anode G	3	Cathode G
4	Anode E	4	Cathode E
5	Anode D	5	Cathode D
6	Common Cathode	6	Common Anode
7	Anode Dp (Right Hand)	7	Cathode Dp (Right Hand)
8	Anode C	8	Cathode C
9	Anode B	9	Cathode B
10	Anode A	10	Cathode A