

TOSHIBA LED DISPLAY

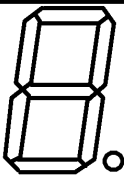
**TLG346S, TLG347S, TLS346S
TLS347S, TLR346S, TLR347S**

- 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

TLG346S / TLG347S	GaP GREEN
TLS346S / TLS347S	GaAsP RED
TLR346S / TLR347S	GaP RED

TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG346S TLS346S TLR346S	TLG347S TLS347S TLR347S	

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
DC Forward Current / seg.	$I_F(\text{DC}) / \text{seg}$	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

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25°C)

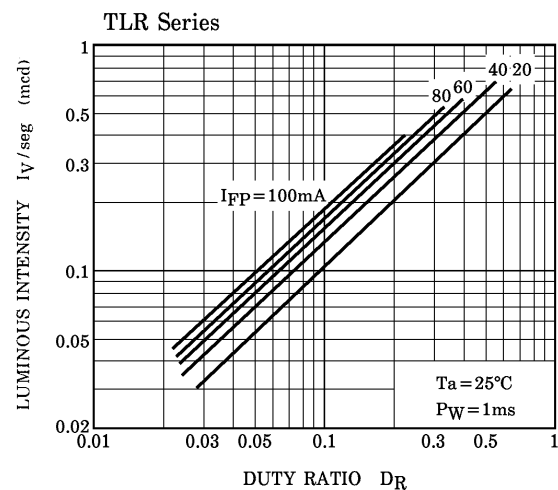
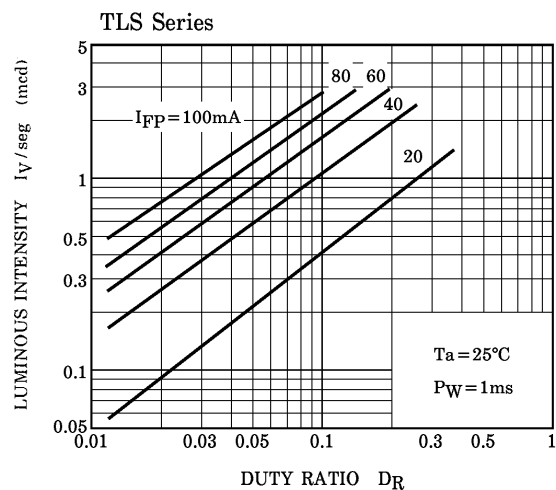
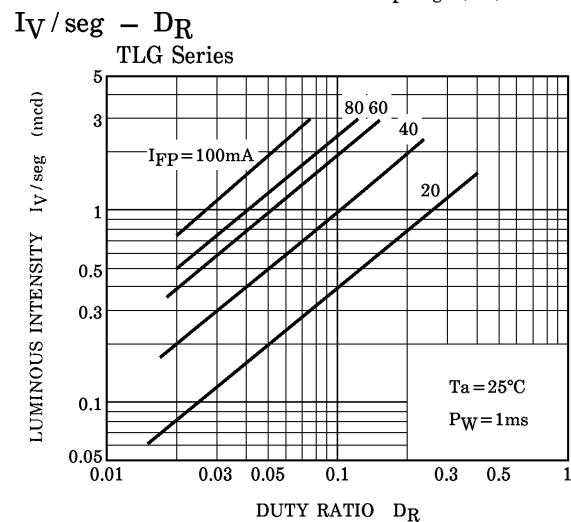
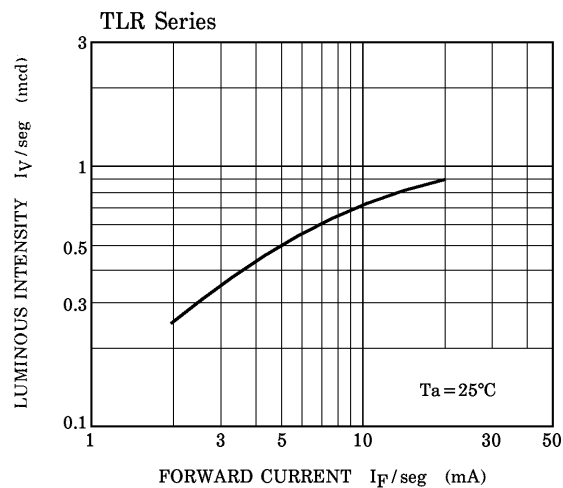
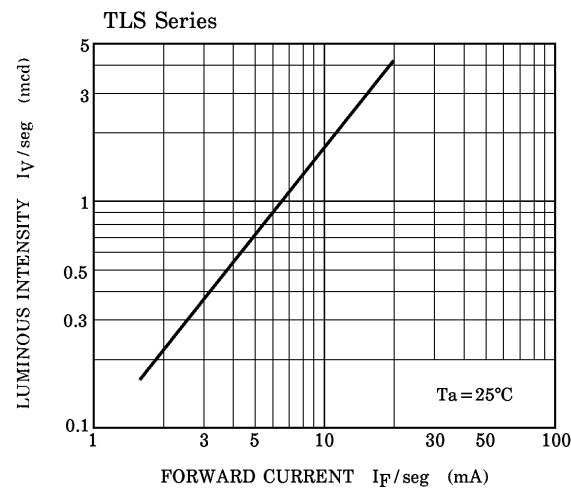
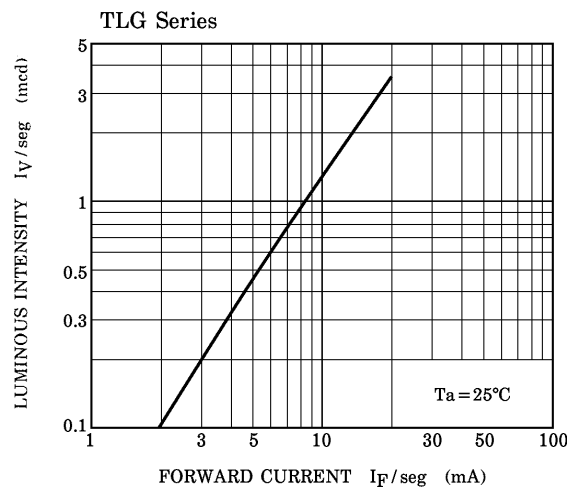
TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I _V / seg			FORWARD VOLTAGE V _F / seg				REVERSE CURRENT I _R / seg		LUMINOUS INTENSITY MATCHING RATIO I _{V-M}	
	λ _p	Δλ	I _F /seg	Min.	Typ.	I _F /seg	Min.	Typ.	Max.	I _F /seg	Max.	V _R /seg	Max.	I _F /seg
TLG Series	565	30	10	0.54	1.22	10	1.7	2.0	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

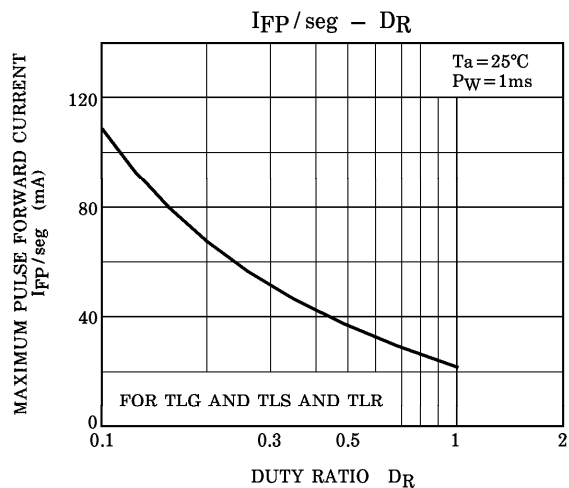
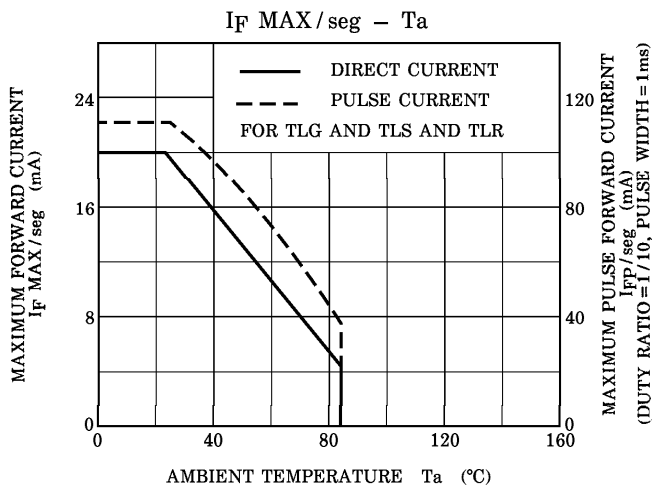
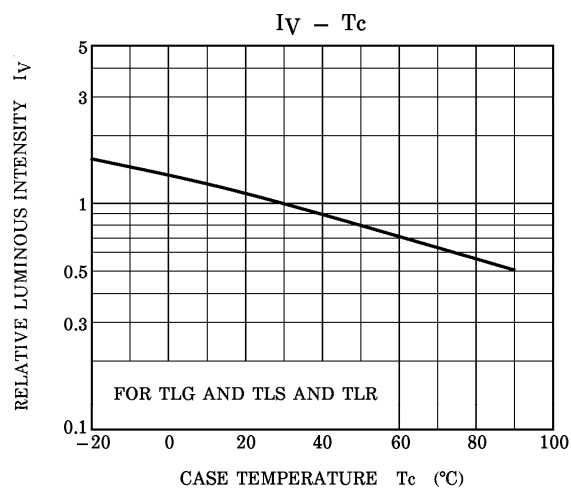
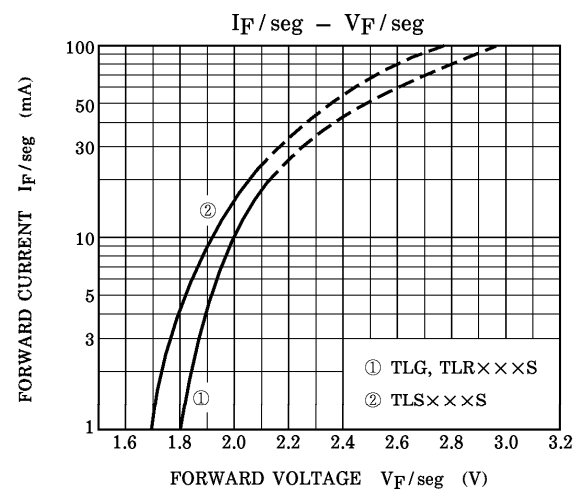
PRECAUTION

Please be careful of the following.

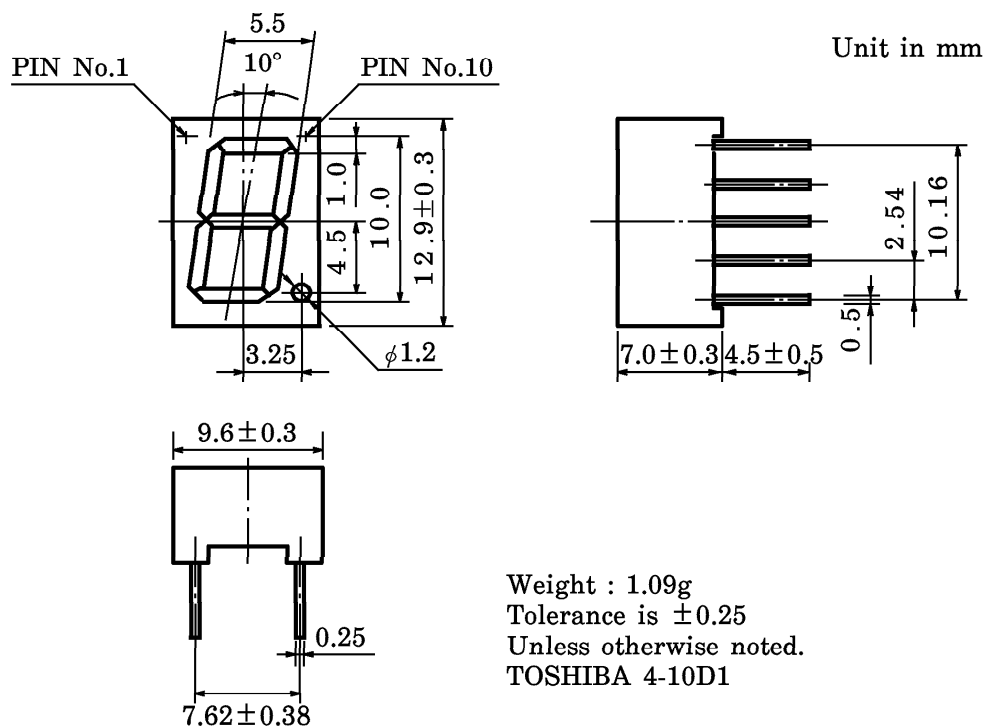
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

$I_V/\text{seg} - I_F$





OUTLINE DIMENSIONS



PIN CONNECTION

346S Series		347S 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

RESTRICTIONS ON PRODUCT USE

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