

TOSHIBA LED DISPLAY

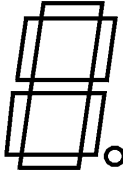
**TLG358, TLG359, TLS358
TLS359, TLR358, TLR359**

- 13.46mm (0.53") 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□xxx : Gray Color Coated Only on Surface.
 - TL□xxxT : Black Color Coated Only on Surface.

PRODUCT LINE UP

TLG358 / TLG359	GaP GREEN
TLS358 / TLS359	GaAsP RED
TLR358 / TLR359	GaP RED

TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG358 TLS358 TLR358	TLG359 TLS359 TLR359	

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}	-35~85	°C
Storage Temperature Range	T _{stg}	-40~85	°C

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

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25°C)

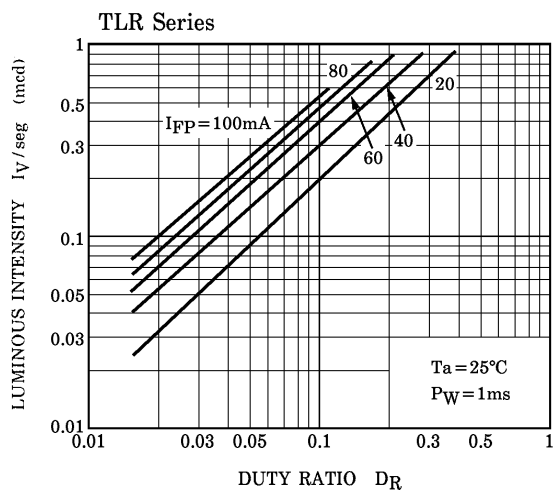
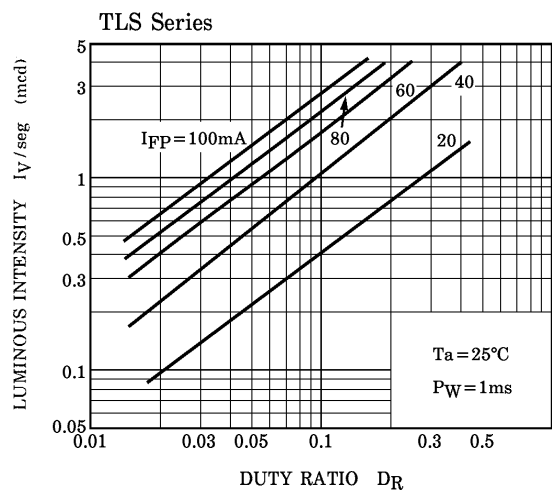
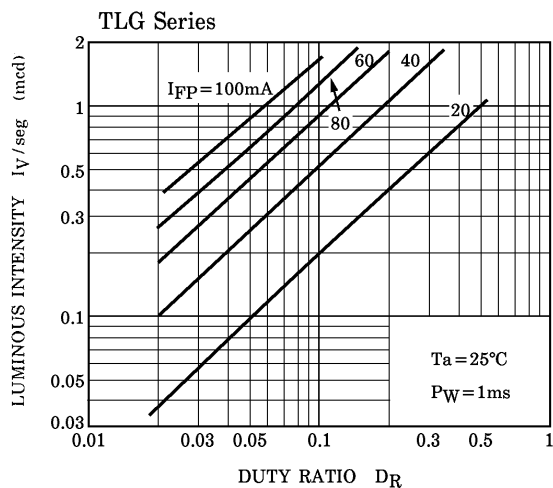
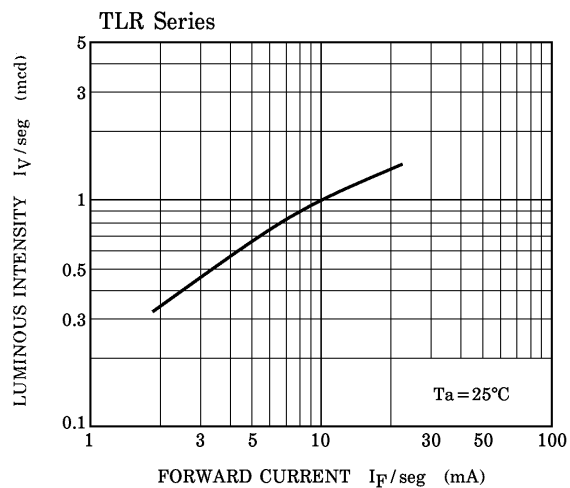
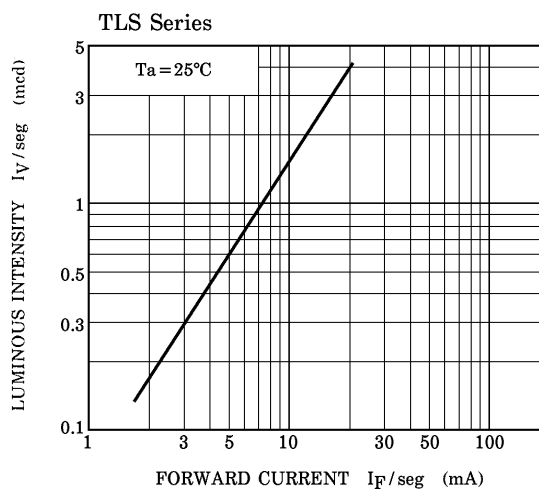
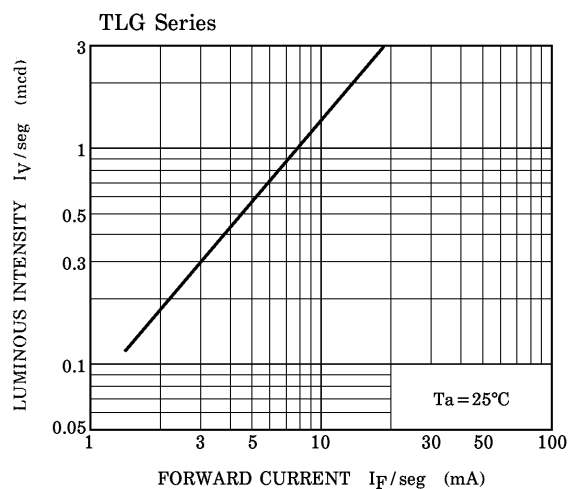
TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I _V / seg			FORWARD VOLTAGE V _F / seg				REVERSE CURRENT I _R / seg		LUMINOUS INTENSITY MATCHING RATIO I _{V-M}	
	λ _p	Δλ	I _F /seg	Min.	Typ.	I _F /seg	Min.	Typ.	Max.	I _F /seg	Max.	V _R /seg	Max.	I _F /seg
TLG Series	565	30	10	0.56	1.42	10	1.7	2.0	2.5	10	5	6	2.3	10
TL3 Series	635	40		0.73	1.56		1.7	1.9	2.5					
TLR Series	700	100		0.26	0.70		1.4	2.0	2.5					5
UNIT	nm		mA	mcd		mA	V			mA	μA	V	—	mA

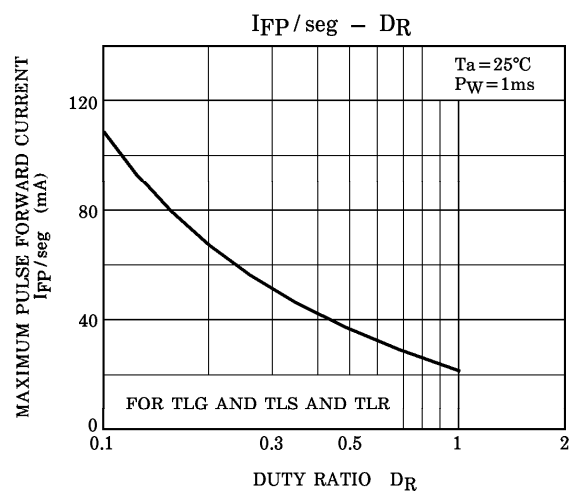
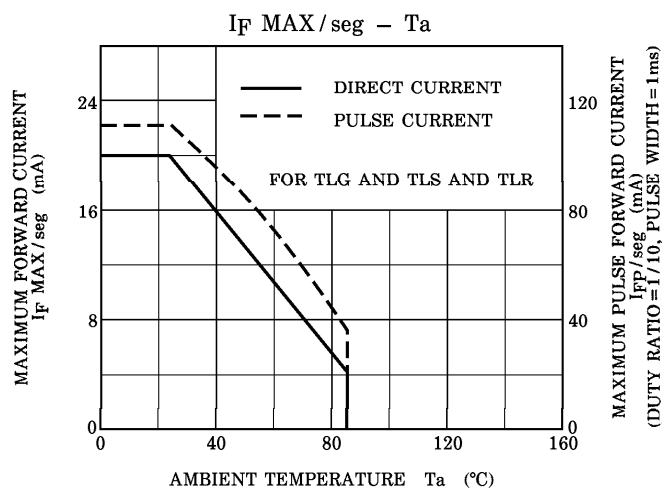
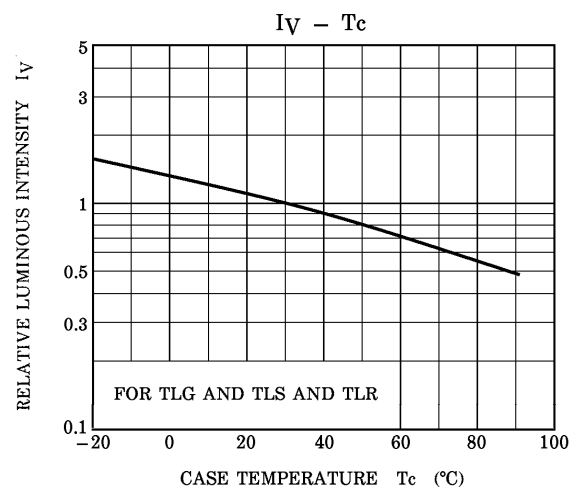
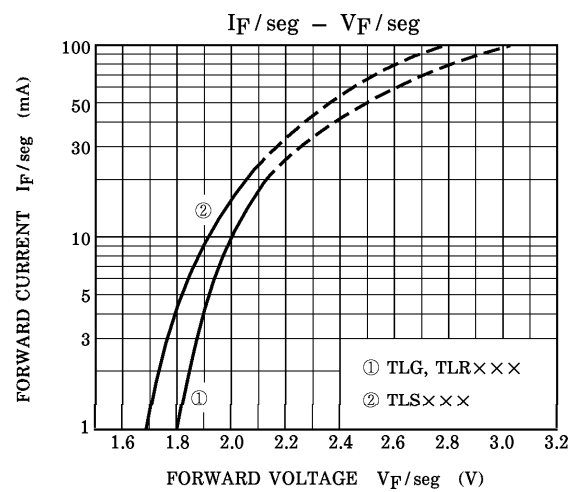
PRECAUTION

Please be careful of the following.

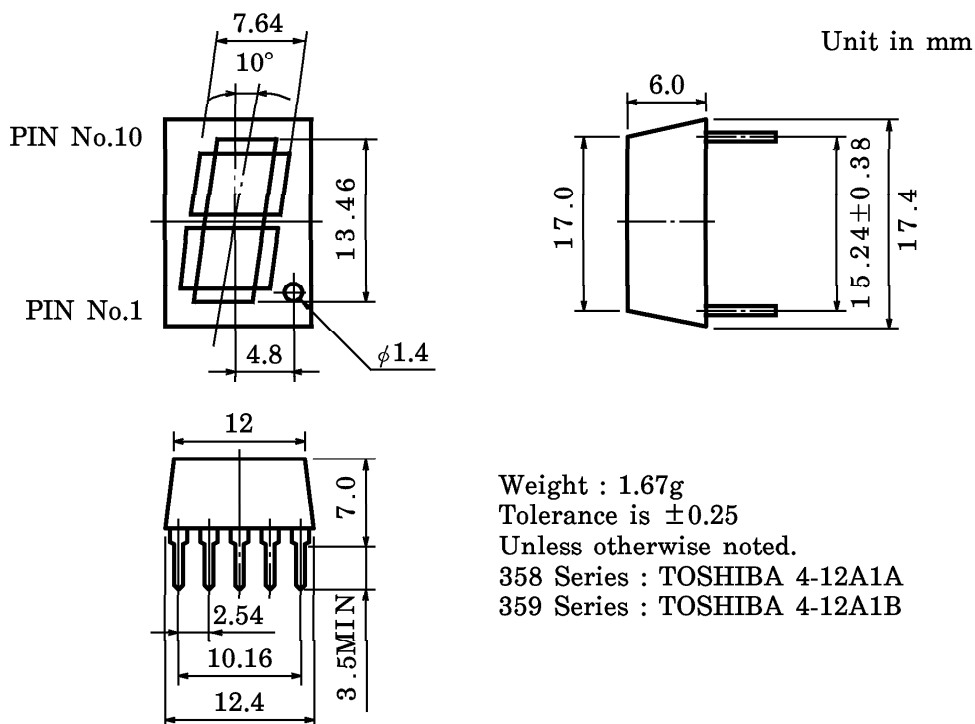
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

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





OUTLINE DIMENSIONS



PIN CONNECTION

358 Series										359 Series									
PIN No.	CONNECTION									PIN No.	CONNECTION								
1	Anode e									1	Cathode e								
2	Anode d									2	Cathode d								
3	Anode c									3	Cathode c								
4	Anode Dp									4	Cathode Dp								
5	Common Cathode									5	Common Anode								
6	Common Cathode									6	Common Anode								
7	Anode b									7	Cathode b								
8	Anode a									8	Cathode a								
9	Anode g									9	Cathode g								
10	Anode f									10	Cathode f								

RESTRICTIONS ON PRODUCT USE

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