TOSHIBA LED DISPLAY

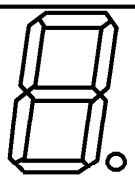
TLG346S, TLG347S, TLS346S TLS347S, TLR346S, TLR347S

- 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(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

961001EAC2

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	0.54	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

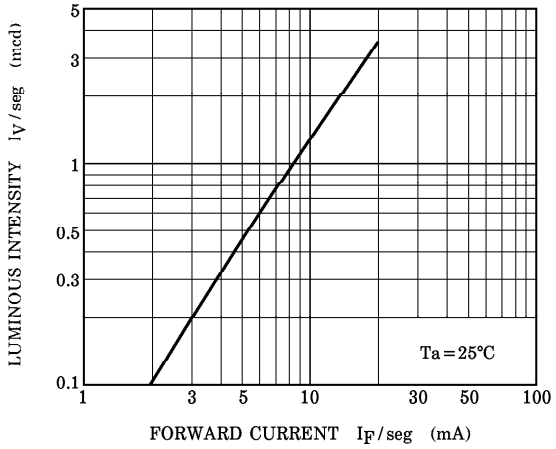
PRECAUTION

Please be careful of the following.

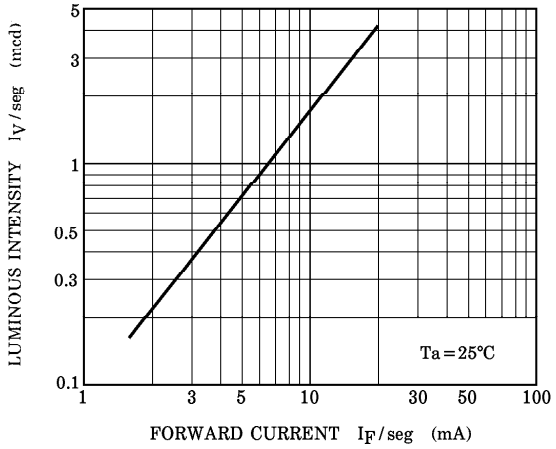
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

I_V / seg – I_F

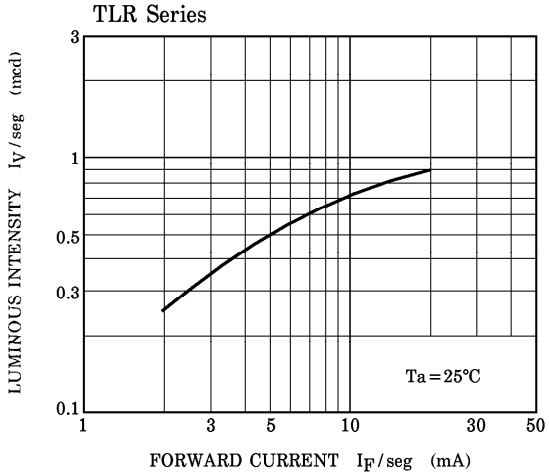
TLG Series



TLS Series

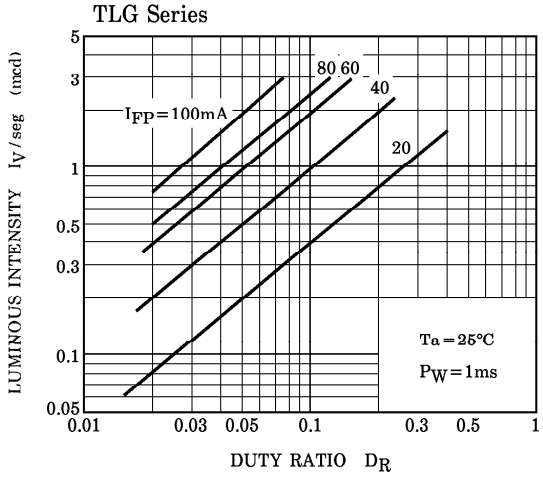


TLR Series

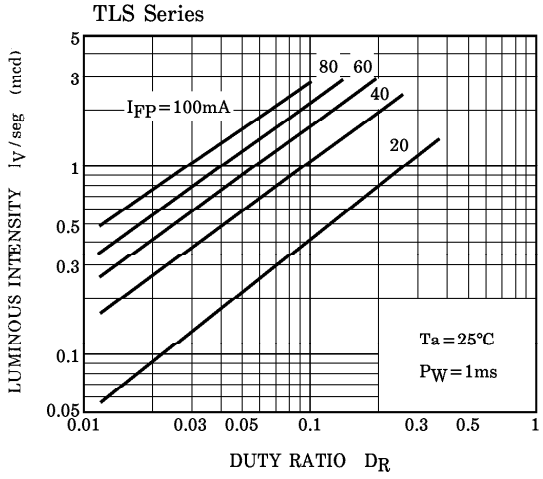


I_V / seg – D_R

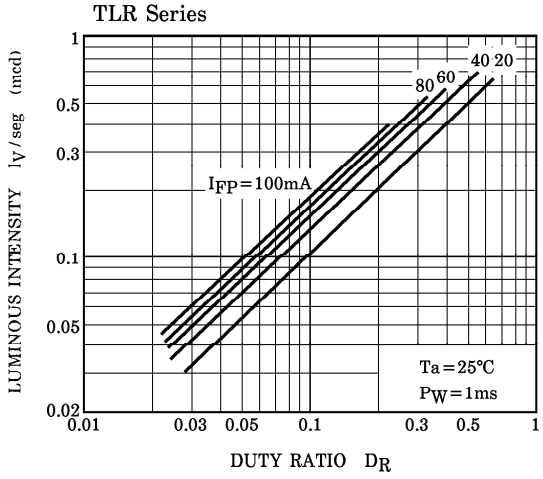
TLG Series



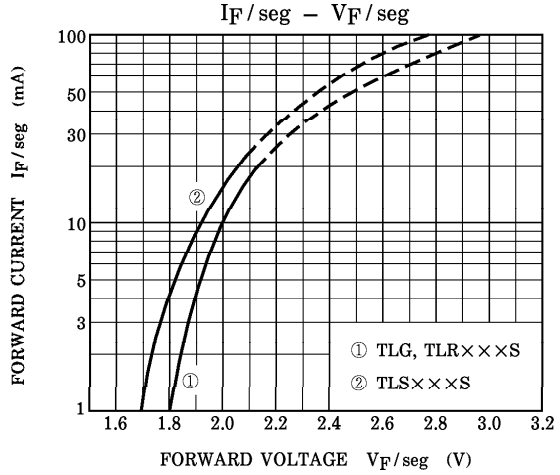
TLS Series



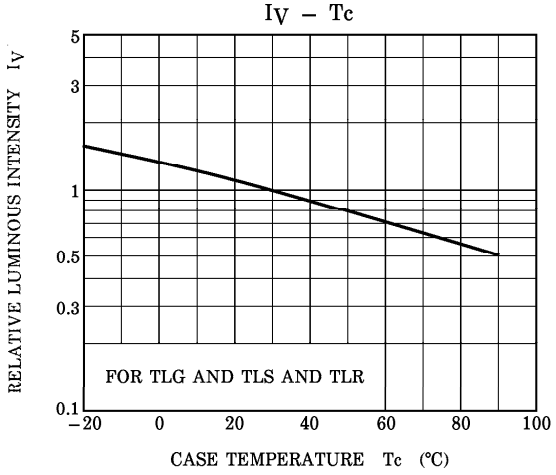
TLR Series



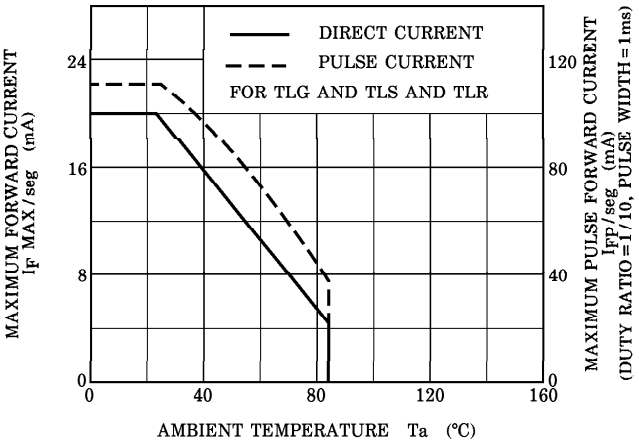
I_F / seg – V_F / seg



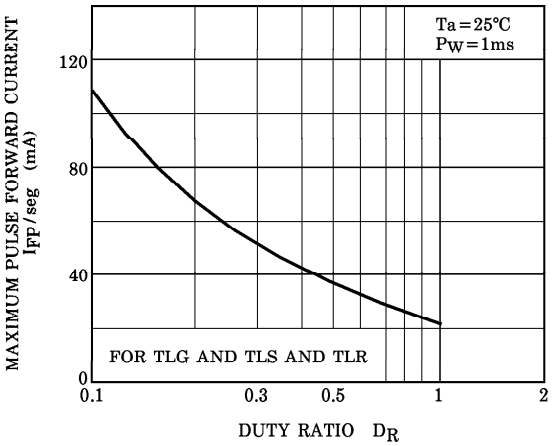
I_V – Tc



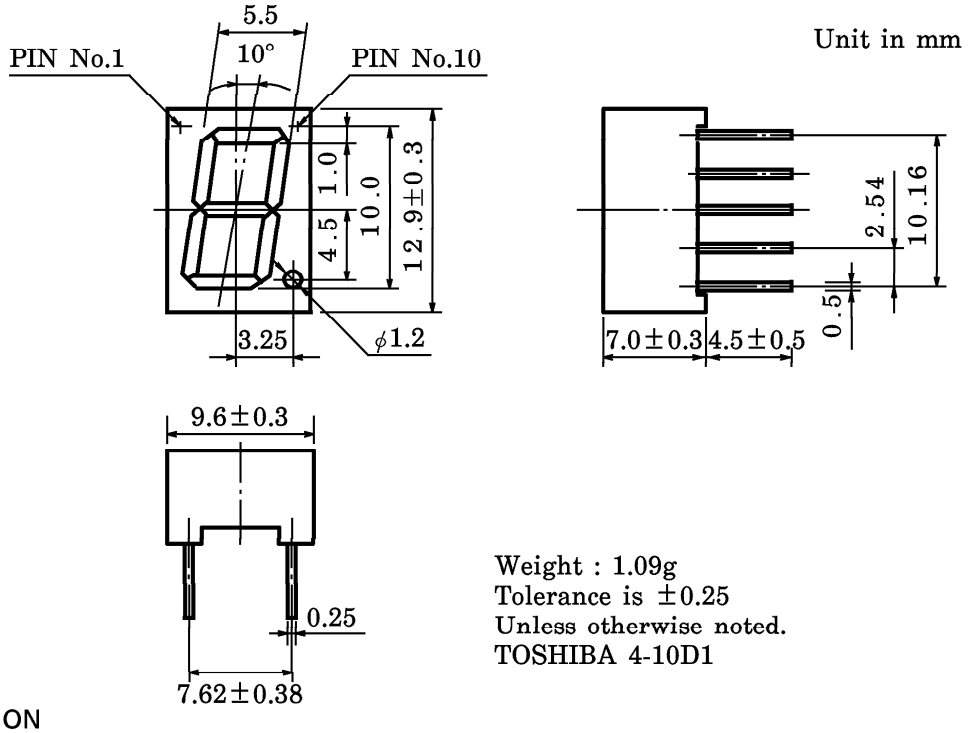
I_F MAX / seg – Ta



I_{FP} / seg – D_R



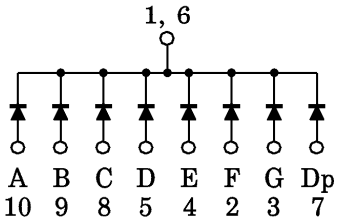
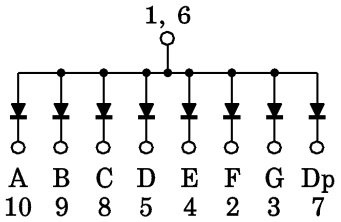
OUTLINE DIMENSIONS



Unit in mm

Weight : 1.09g
Tolerance is ±0.25
Unless otherwise noted.
TOSHIBA 4-10D1

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