TOSHIBA LED DISPLAY

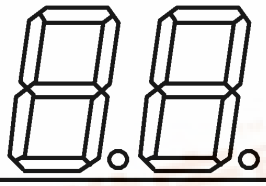
TLG362S, TLG363S, TLG366S, TLG367S
TLS362S, TLS363S, TLS366S, TLS367S
TLR362S, TLR363S, TLR366S, TLR367S

- 14.2mm (0.56") 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

TLG362S / TLG363S / TLG366S / TLG367S	GaP GREEN
TLS362S / TLS363S / TLS366S / TLS367S	GaAsP RED
TLR362S / TLR363S / TLR366S / TLR367S	GaP RED

TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG362S TLS362S TLR362S	TLG363S TLS363S TLR363S	
TLG366S TLS366S TLR366S	TLG367S TLS367S TLR367S	

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

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	0.56	1.25	10	1.7	2.0	2.5	10	5	6	2.3	10
TLS Series	635	40		1.03	2.60		1.7	1.9	2.5					
TLR Series	700	100		0.26	0.70	5	1.4	2.0	2.5					5
UNIT	nm		mA	mcd		mA	V			mA	μA	V	—	mA

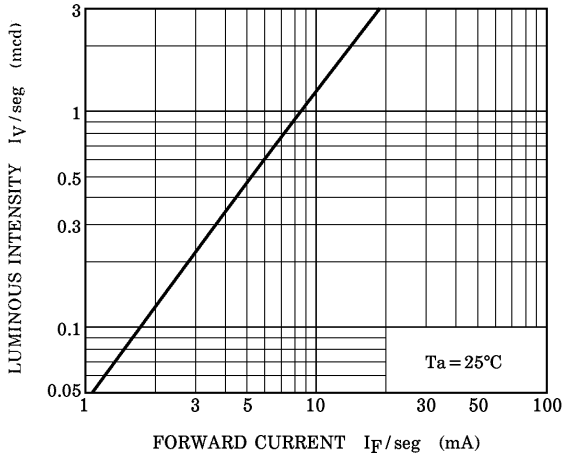
PRECAUTION

Please be careful of the following.

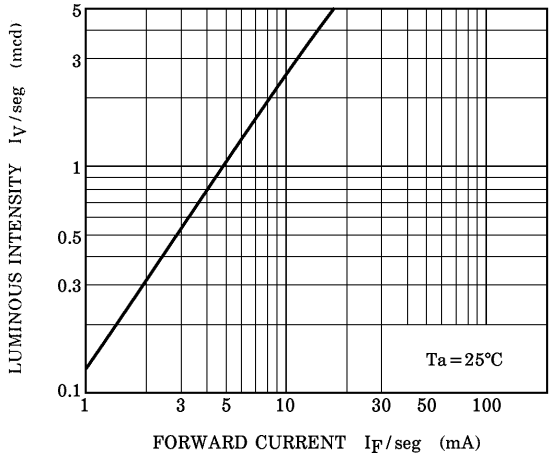
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

I_V / seg – I_F

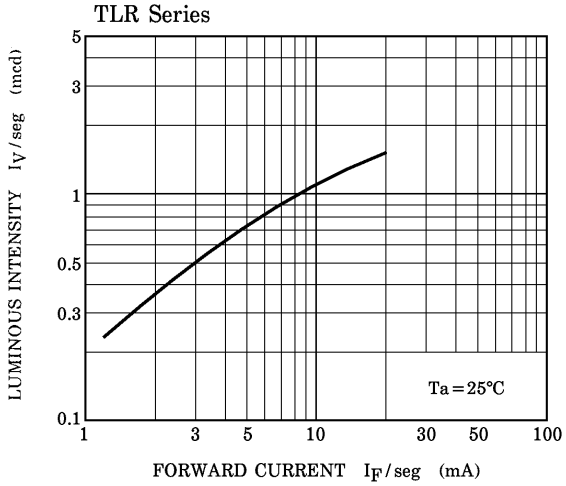
TLG Series



TLS Series

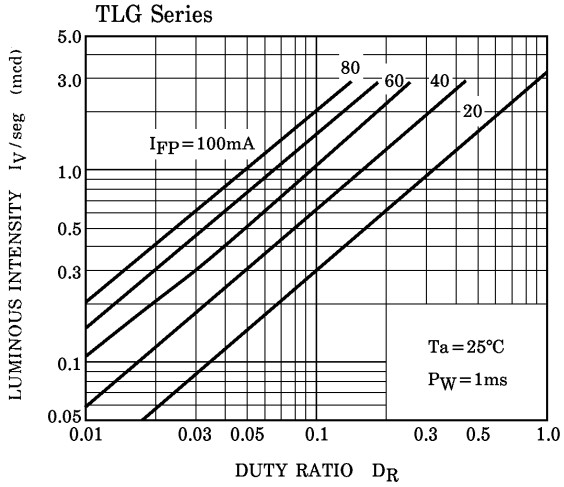


TLR Series

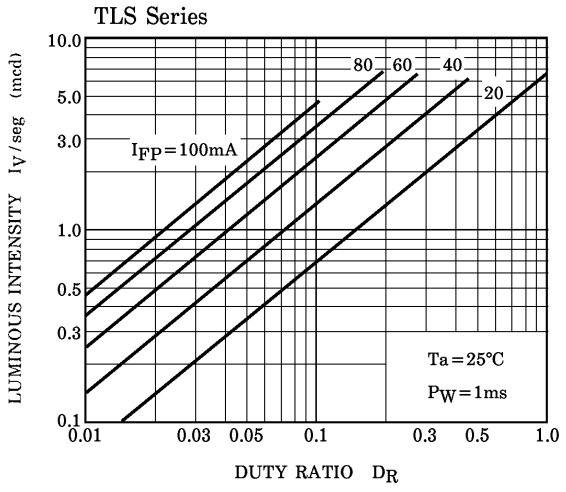


I_V / seg – D_R

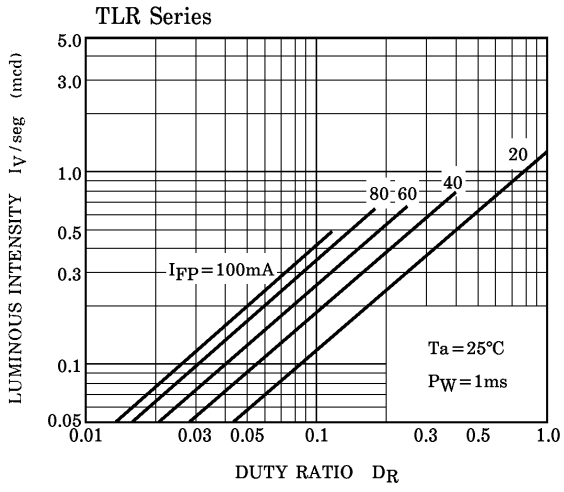
TLG Series



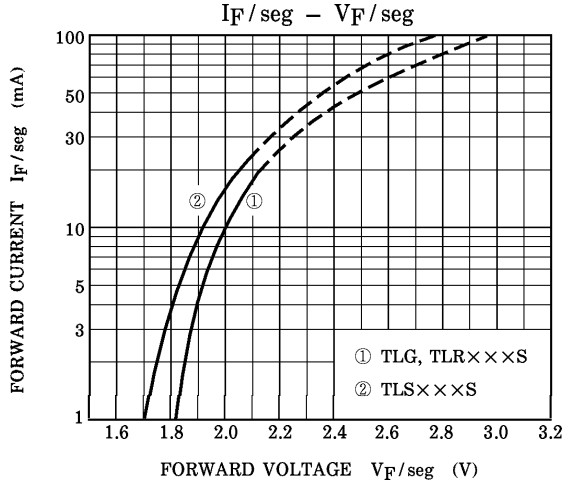
TLS Series



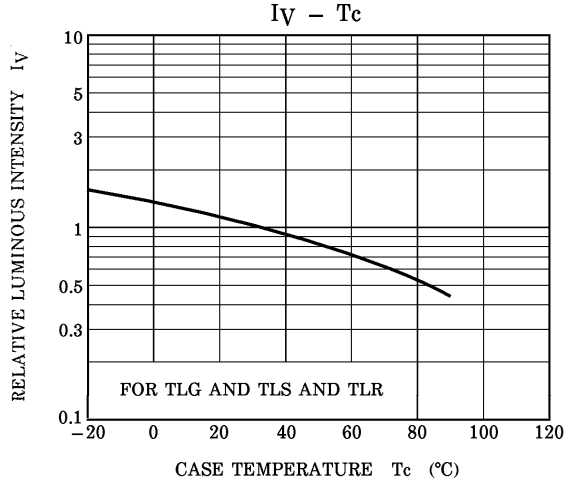
TLR Series



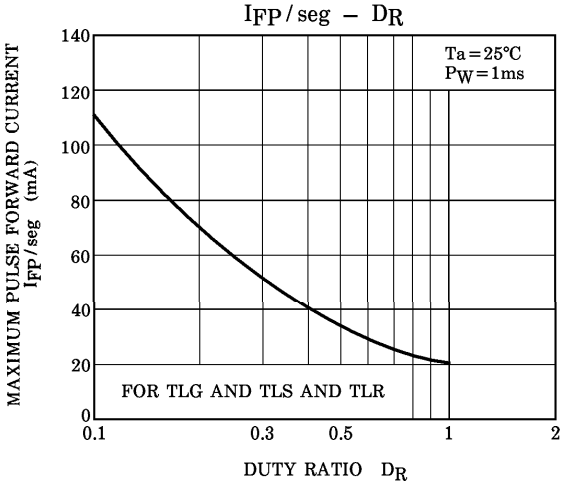
I_F / seg – V_F / seg



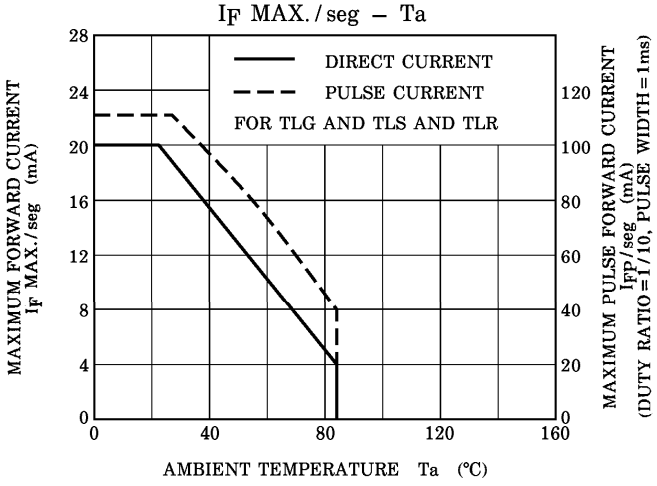
I_V – Tc



I_{FP} / seg – D_R



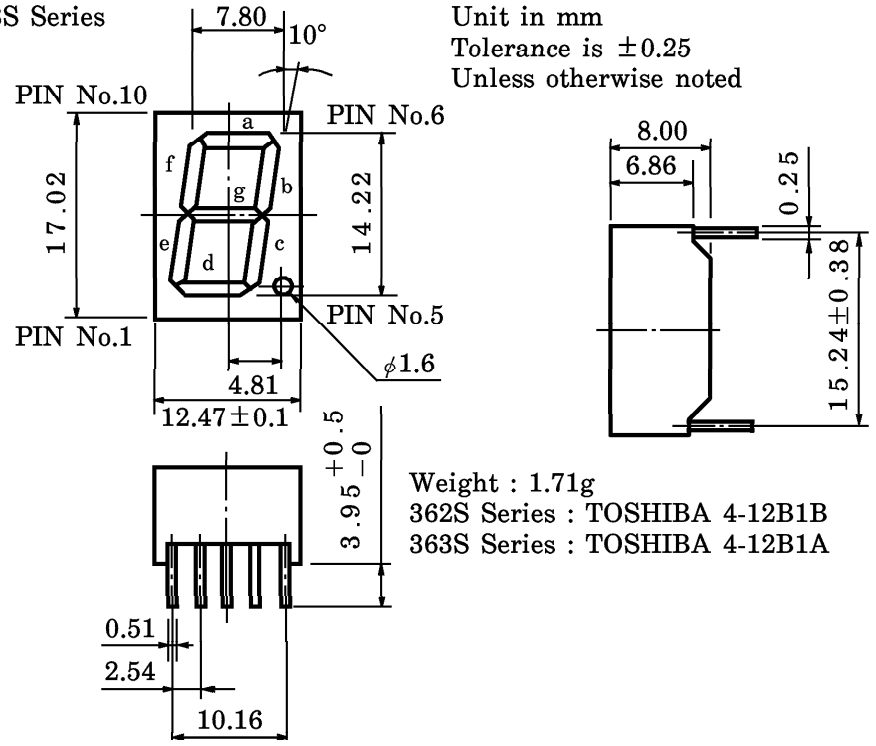
I_F MAX. / seg – Ta



OUTLINE DIMENSION

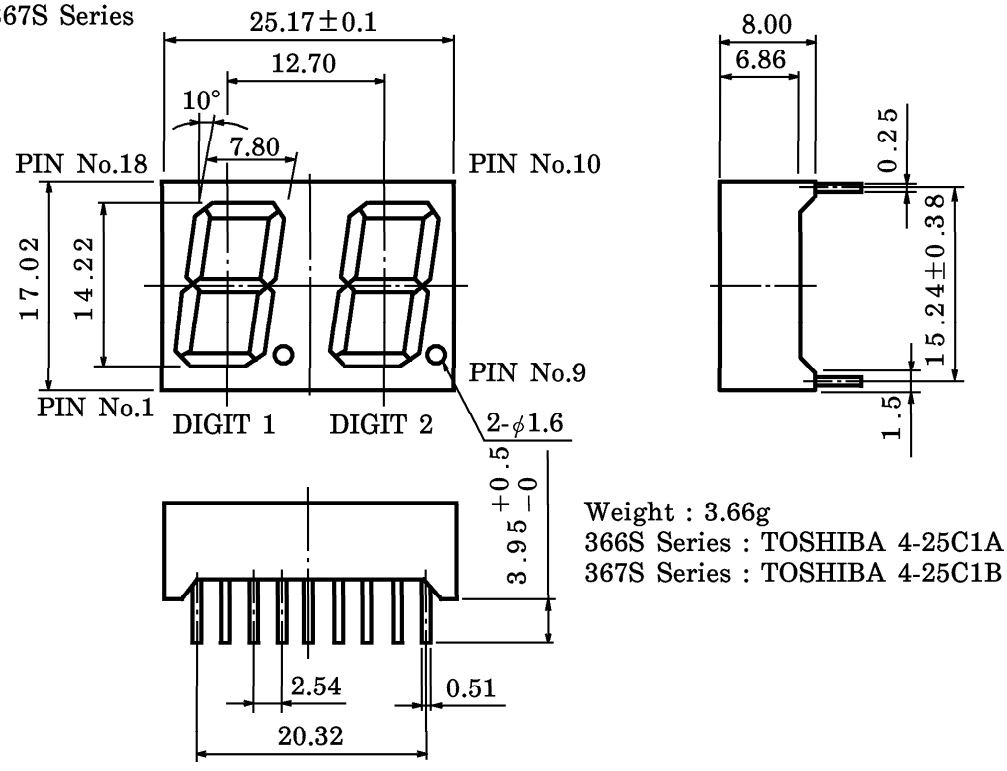
362S, 363S Series

Unit in mm
Tolerance is ±0.25
Unless otherwise noted



Weight : 1.71g
362S Series : TOSHIBA 4-12B1B
363S Series : TOSHIBA 4-12B1A

366S, 367S Series

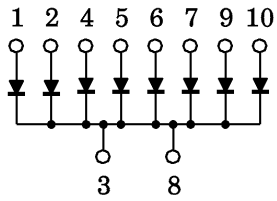


Weight : 3.66g
366S Series : TOSHIBA 4-25C1A
367S Series : TOSHIBA 4-25C1B

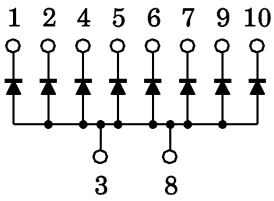
PIN CONNECTION

PIN No.	CONNECTION		
	362S Series	363S Series	366S, 367S Series
1	e	e	E Digit 1
2	d	d	D Digit 1
3	Common Cathode	Common Anode	C Digit 1
4	c	c	Dp Digit 1
5	Dp	Dp	E Digit 2
6	b	b	D Digit 2
7	a	a	G Digit 2
8	Common Cathode	Common Anode	C Digit 2
9	f	f	Dp Digit 2
10	g	g	B Digit 2
11	—	—	A Digit 2
12	—	—	F Digit 2
13	—	—	Digit 2 Common
14	—	—	Digit 1 Common
15	—	—	B Digit 1
16	—	—	A Digit 1
17	—	—	G Digit 1
18	—	—	F Digit 1

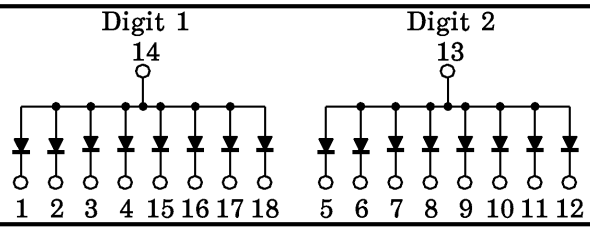
362S Series



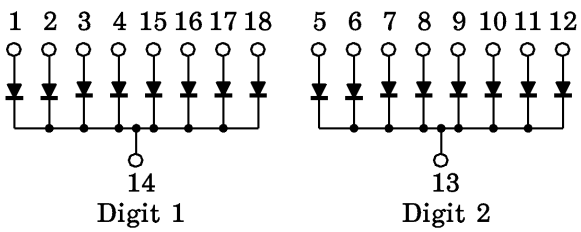
363S Series



367S Series



366S Series



RESTRICTIONS ON PRODUCT USE

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