

TOSHIBA

TL□ 362T, TL□ 363T, TL□ 366T, TL□ 367T

TOSHIBA LED DISPLAY


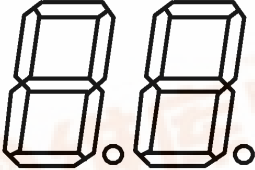
TLG362T, TLG363T, TLG366T, TLG367T
TLS362T, TLS363T, TLS366T, TLS367T
TLR362T, TLR363T, TLR366T, TLR367T

- 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

TLG362T / TLG363T / TLG366T / TLG367T	GaP GREEN
TLS362T / TLS363T / TLS366T / TLS367T	GaAsP RED
TLR362T / TLR363T / TLR366T / TLR367T	GaP RED

TYPE No. vs FULLY DISPLAY

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLG362T TLS362T TLR362T	TLG363T TLS363T TLR363T	
TLG366T TLS366T TLR366T	TLG367T TLS367T TLR367T	

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)

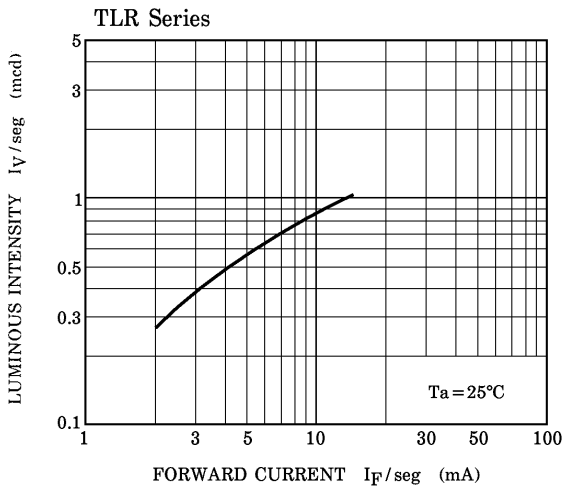
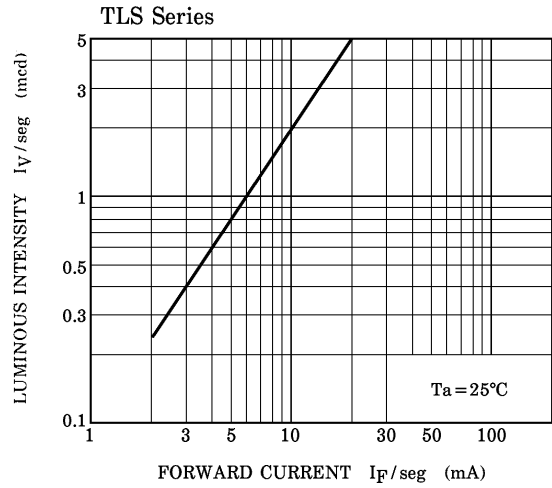
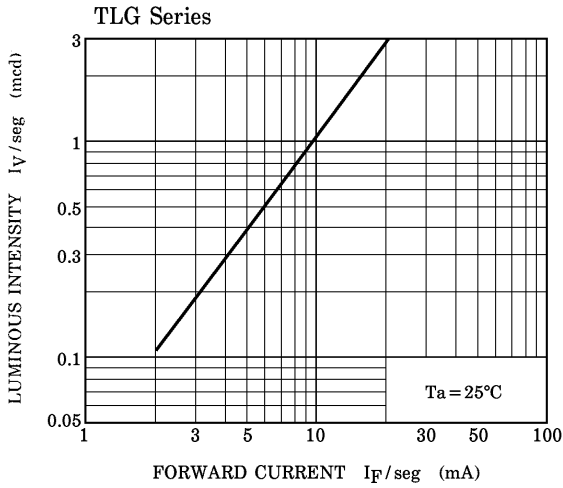
TYPE No.	EMITTING WAVE LENGTH			LUMINOUS INTENSITY I _V / seg			FORWARD VOLTAGE V _F / seg				REVERSE CURRENT I _R / seg		LUMINOUS INTENSITY MATCHING RATIO I _{V-M}	
	λ _p	Δλ	I _F /seg	Min.	Typ.	I _F /seg	Min.	Typ.	Max.	I _F /seg	Max.	V _R /seg	Max.	I _F /seg
TLG Series	565	30	10	0.44	1.00	10	1.7	2.0	2.5	10	5	6	2.3	10
TLS Series	635	40		0.83	2.00		1.7	1.9	2.5					
TLR Series	700	100		0.21	0.56	5	1.4	2.0	2.5					
UNIT	nm		mA	mcd		mA	V			mA	μA	V	—	mA

PRECAUTION

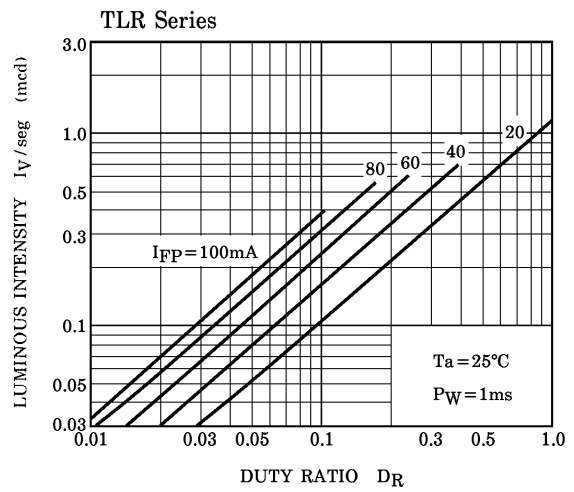
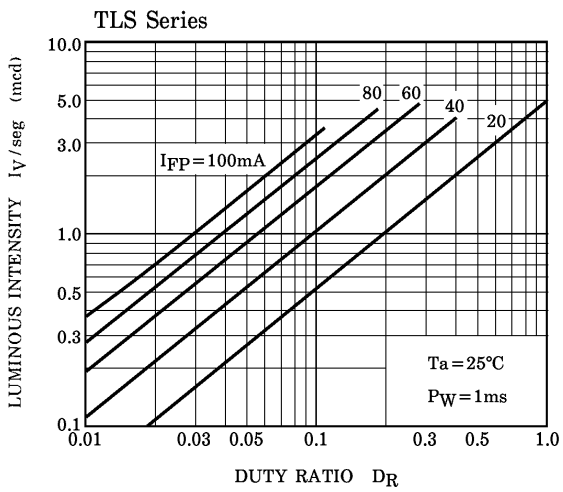
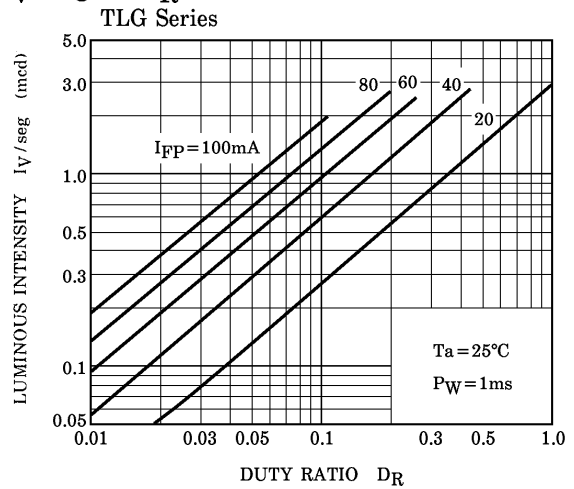
Please be careful of the following.

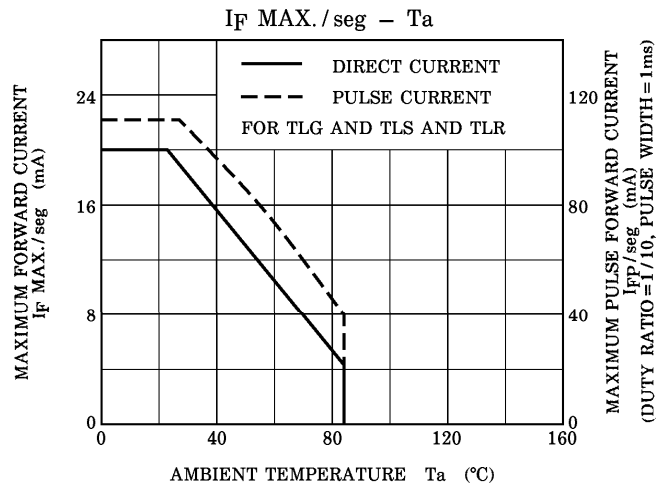
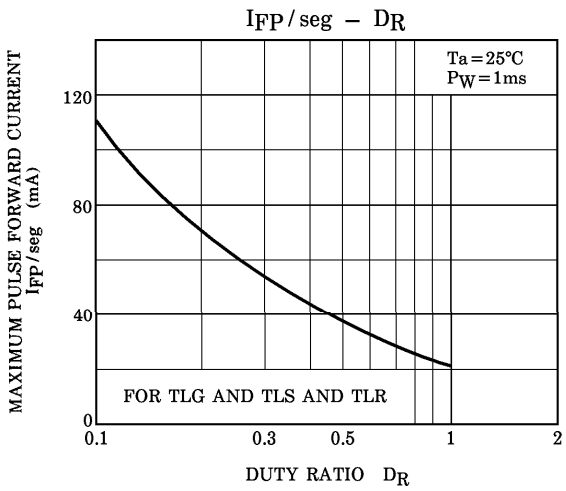
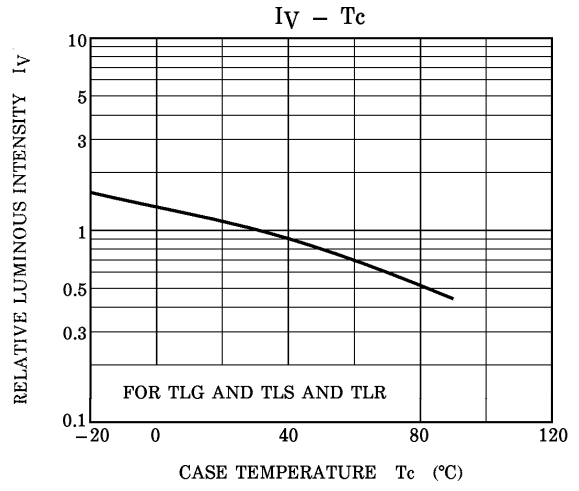
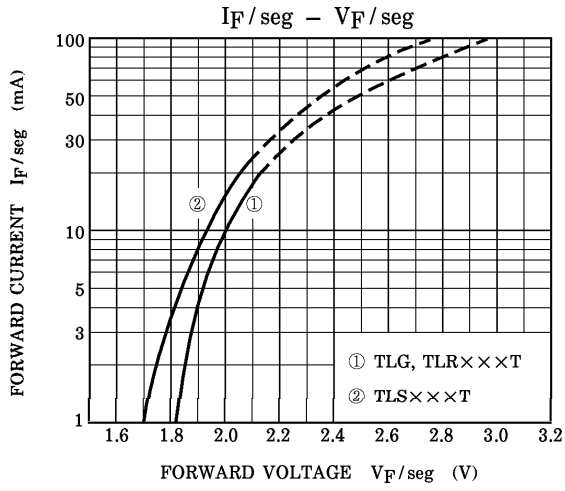
- Soldering temperature should be less than 260°C for 3 seconds at 2.0mm from the seating plane.

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



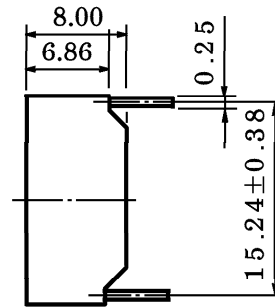
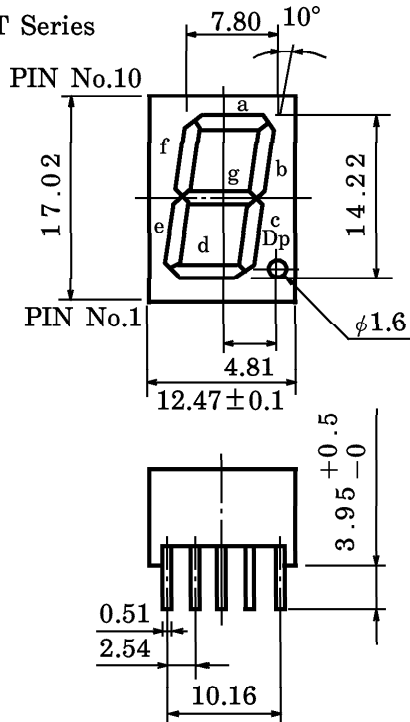
$I_V / \text{seg} - D_R$





OUTLINE DIMENSIONS

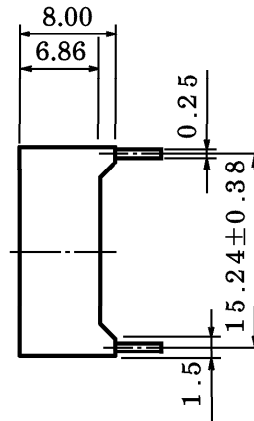
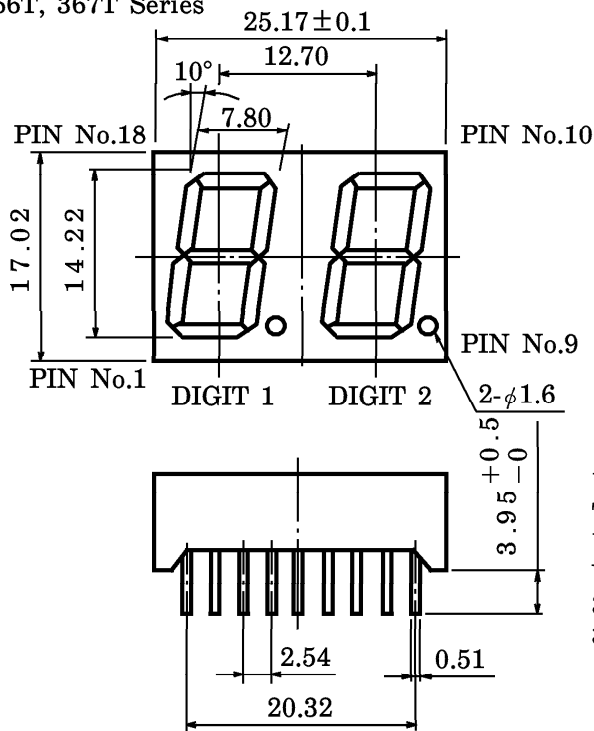
362T, 363T Series



Unit in mm
 Tolerance is ± 0.25
 Unless otherwise noted
 Weight : 1.71g
 362T Series : TOSHIBA 4-12B1B
 363T Series : TOSHIBA 4-12B1A

OUTLINE DIMENSIONS

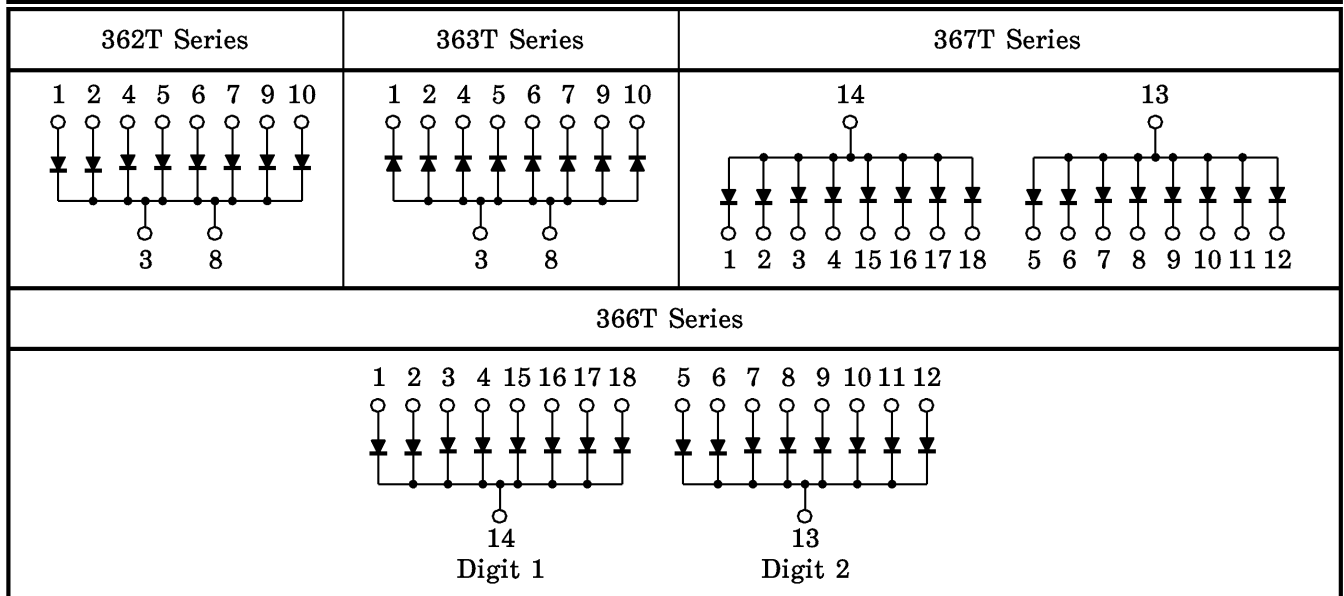
366T, 367T Series



Unit in mm
 Tolerance is ± 0.25
 Unless otherwise noted
 Weight : 3.66g
 366T Series : TOSHIBA 4-25C1A
 367T Series : TOSHIBA 4-25C1B

PIN CONNECTION

PIN No.	CONNECTION		
	362T Series	363T Series	366T, 367T 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



RESTRICTIONS ON PRODUCT USE

000707EAC

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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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