

TOSHIBA LED DISPLAY

TLRA336S, TLRA337S

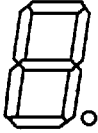
ULTRA BRIGHT AND LOW CURRENT DRIVE RED COLOR 1DIGIT COMPACT PACKAGE NUMERICAL DISPLAY

- 8.0mm (0.3") Character Height.
- Gray Color Coated Only on Surface.
- Available Both Polarity of Connections, Common Cathode or Common Anode.
- High Efficiency at Low Current.
- Luminous Intensity Ranking Performed Uniform Display, @2mA / segment.

PRODUCT LINE UP

TLRA336S/TLRA337S	GaAlAs RED
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TYPE No. vs FULLY DISPLAY FONT

COMMON CATHODE	COMMON ANODE	FULLY DISPLAY FONT
TLRA336S	TLRA337S	

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
DC 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	$\Delta\lambda$	I_F /seg	Min.	Typ.	I_F /seg	Min.	Typ.	Max.	I_F /seg	Max.	V_R /seg	Max.	I_F /seg
TLRA Series	660	25	2	0.80	2.80	2	1.3	1.6	2.05	2	100	6	2.3	2
UNIT	nm		mA	mcd		mA	V			mA	μ A	V	—	mA

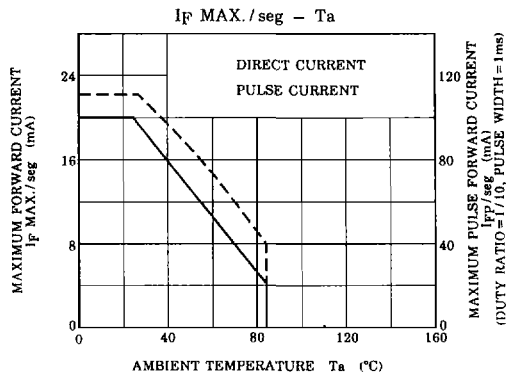
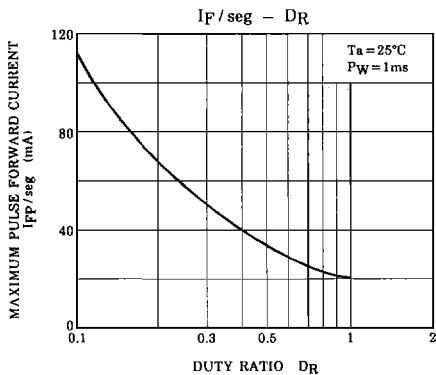
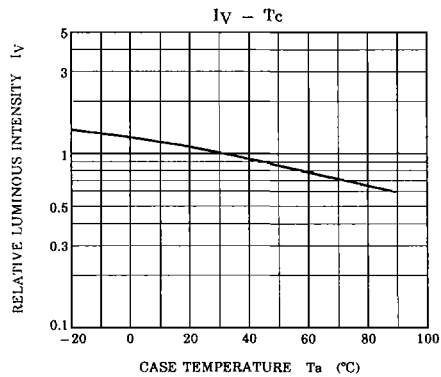
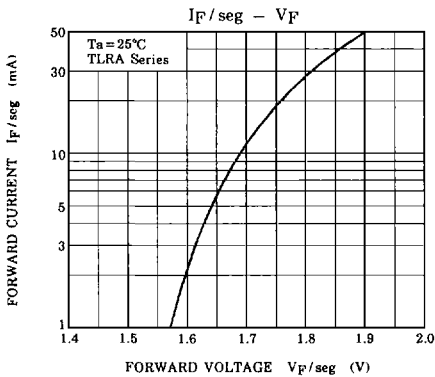
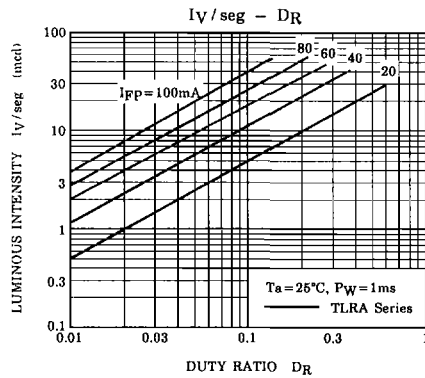
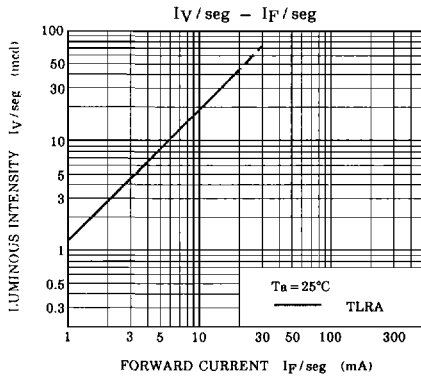
PRECAUTION

Please be careful of the following.

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

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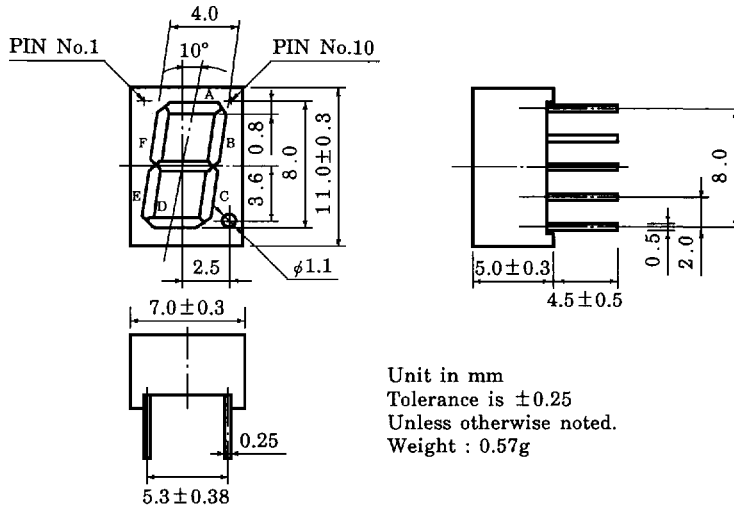
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- Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.
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OUTLINE DIMENSIONS



PIN CONNECTION

336S Series		337S Series	
PIN No.	CONNECTION	PIN No.	CONNECTION
1	Anode A	1	Cathode A
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	Cathode Dp (Right Hand)	6	Cathode Dp (Right Hand)
7	Anode Dp (Right Hand)	7	Anode Dp (Right Hand)
8	Anode C	8	Cathode C
9	Common Cathode	9	Common Anode
10	Anode B	10	Cathode B