

TLG2198, TLG4192, TLG2268, TLG4262

GREEN COLOR 4 DIGITS LED DISPLAY

- For Duplex drive connections and available both polarity common anode or common cathode.
- 15 mm (0.6") character height, each segment represents diffused and uniformly display.
- Outer color filter provides high contrast, practical brightness are obtained at About 20mA (with 50 per cent duty ratio) per segments.
- Arrow edge shape of each segment represents not mosaic but look like arabic numerals.
- Selectable both type 12 or 24 hours of display.

TYPE NO. vs. DISPLAY FONT

COMMON ANODE	COMMON CATHODE	FULLY DISPLAY FONT
TLR2198	TLR2268	: 10 : 00 .
TLR4192	TLR4262	: 20 : 00 .

Refer to page 260 for the figure.

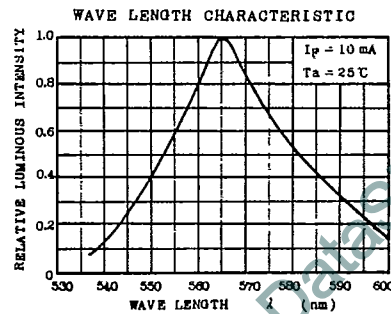
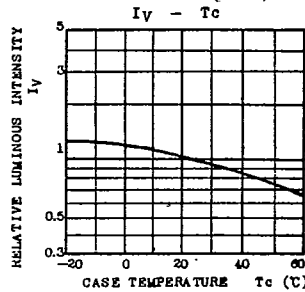
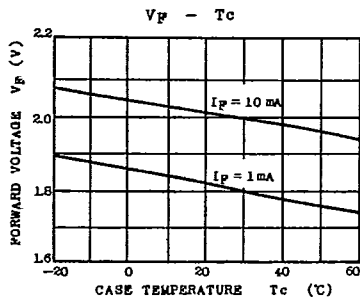
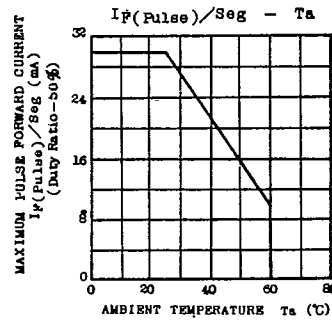
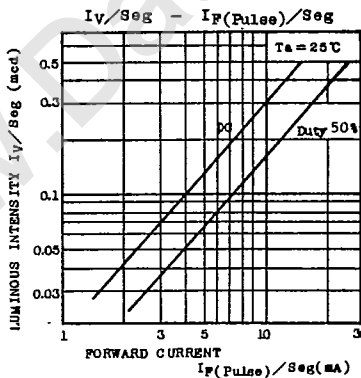
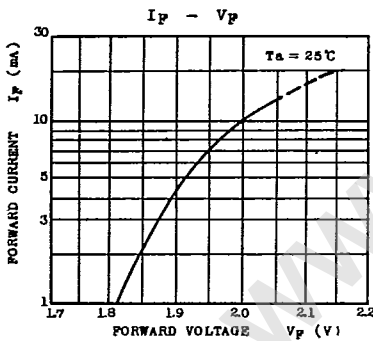
MAXIMUM RATINGS (Ta = 25 °C)

CARATERISTIC	SYMBOL	RATING	UNIT
Pulse Forward Current/Seg. (Note 1)	$I_f(\text{Pulse})/\text{Seg.}$	30	mA
Reverse Voltage	V_R	3	V
Storage Temperature Range	T_{stg}	-20~75	°C
Operating Temperature Range	T_{opr}	-20~60	°C
Soldering Temperature	T_{solder}	260	°C

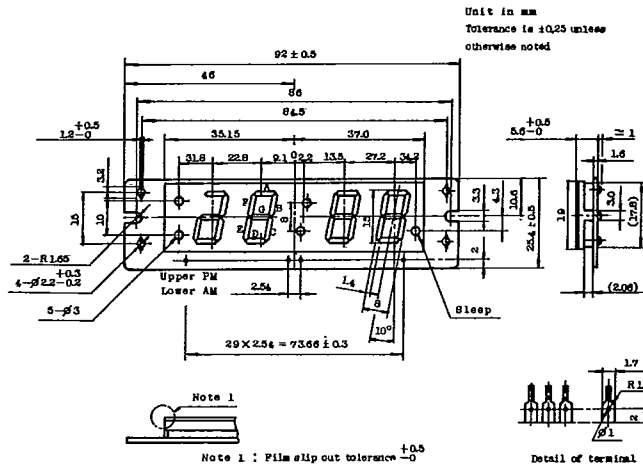
Note 1: Duty ratio = 1/2
 2: Within 3 second at 2 mm from the reflector edge.

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta = 25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_f	$I_f=20\text{mA}$	1.8	2.15	2.75	V
Reverse Current	I_R	$V_R=3\text{V}$	-	-	5	µA
Luminous Intensity/seg.	$I_v/\text{seg.}$	$I_f=10\text{mA}$	0.08	0.3	-	med
Luminous Intensity Matching Ratio	I_v-M	$I_f=5\text{mA}$	-	-	2.3	-
Peak Emission Wave Length	λ_p	$I_f=10\text{mA}$	-	565	-	nm
Spectral Half Line Width	$\Delta\lambda$	$I_f=10\text{mA}$	-	30	-	nm



PHYSICAL DIMENSIONS



TERMINAL CONNECTION

TERMINAL #	CONNECTION	TERMINAL #	CONNECTION
1, 29	PM, 10's Hour A.D. Unit Hour D.E.F.G, Colon, 10's Min A.B.D, & Unit Min D.E.F.G, Common	12	Unit Hour C,D
		13	Unit Hour A,F
		14	N.C
2, 28	10's Hour B.O.E.G, Unit Hour A.B.O, & 10's Min D.E.F.G, Unit Min A.B.O, Common	15	10's Min A,F
		16	10's Min B,G
		17	10's Min C,D
3	AM Common	18	10's Min E & Unit Min E
4	AM	19	Unit Min B,G
5	Pm	20	Unit Min C,D
6	10's Hour B	21	Unit Min A,F
7	10's Hour A,G	22, 23 24, 25	N.C
8	10's Hour D,E		
9	10's Hour C & Unit Hour E	27	Sleep
10	Unit Hour B,G	28	Sleep Common
11	N.C	30	Colon

