

9097250 TOSHIBA (DISCRETE/OPTO)

99D 17009

DT-41-2)

## TLR112

## GaP RED LIGHT EMISSION

## FEATURES:

- Slim Mini Glass Sealed Type.
- Forward Voltage Characteristic  $V_F=1.5 \sim 1.7V$  at  $I_F=10\mu A$   
- Suitable for Solar battery Equipment as a Zener Diode.
- High Reliability by Glass Sealed Body.

MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (DC)	$I_F$	5	mA
Reverse Voltage	$V_R$	4	V
Operating Temperature Range	$T_{opr}$	$-30 \sim 80$	$^\circ C$
Storage Temperature Range	$T_{stg}$	$-30 \sim 100$	$^\circ C$
Solder Temperature Range	$T_{sol}$	260	$^\circ C$

\*1 Soldering portion of lead: up to 3.2mm from the body of the device.

ELECTRO-OPTICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F=10\mu A$	1.5	1.6	1.7	V
Forward Voltage	$V_F(2)$	$I_F=1mA$	1.7	1.8	1.9	V
Reverse Current	$I_R$	$V_R=4V$	-	-	5	$\mu A$
Luminous Intensity	$I_V$	$I_F=5mA$	-	100	-	mcd
Peak Emission Wave Length	$\lambda_P$	$I_F=5mA$	-	700	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=5mA$	-	100	-	nm

