

TLR113AR, TLR114AR

GaP RED LIGHT EMISSION

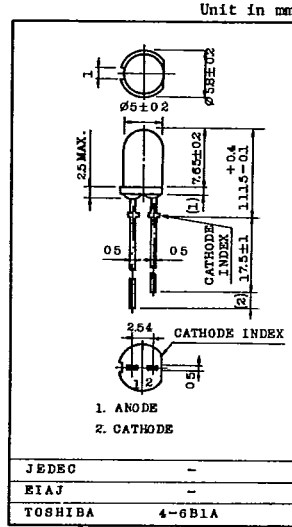
PANEL CIRCUIT INDICATOR

FEATURES:

- Current Limiting Resistor Built in Type
- All Plastic Mold Type
 - TLR113AR: Red Transparent Lens
 - TLR114AR: Red Lusterless Lens
- Capable of Direct Drive with Constant Voltage Supply.
 - Recommended Forward Voltage Supply: $V_F=4.5 \sim 5V(DC)$
- All Plastic Molded Lens Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Voltage (DC)	V_F	7.5	V
Reverse Voltage	V_R	6	V
Operating Temperature Range	T_{opr}	$-20 \sim 75$	$^\circ C$
Storage Temperature Range	T_{stg}	$-30 \sim 100$	$^\circ C$



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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Current	I_F	$V_F=5V$	-	13	20	mA
Reverse Current	I_R	$V_R=6V$	-	-	100	μA
Luminous Intensity	TLR113AR	$V_F=5V$	0.8	3.5	-	mcd
	TLR114AR		0.5	1.5	-	
Peak Emission Wave Length	λ_p	$V_F=5V$	-	700	-	nm
Spectral Line Half Width	$\Delta\lambda$	$V_F=5V$	-	100	-	nm

