

# TLS258

## GaAsP RED LIGHT EMISSION

### FEATURES:

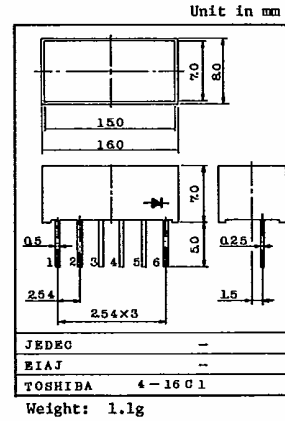
- Rectangular Type (Surface Size 7×15mm)
- Suitable as a Backlight Lamp
- Low Drive Current, Uniform Light Emission
- Recommended Forward Current :  $I_F=15\sim 20\text{mA}$
- Fast Response Time, Capable of Pulse Operation
- Plastic Mold Type

### MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current(DC) (Per Chip)	$I_F$	30	mA
Reverse Voltage (Per Chip)	$V_R$	4	V
Power Dissipation (Per Lamp)	$P_D$	240	mW
Operating Temperature Range	$T_{opr}$	-20 ~ 75	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-30 ~ 100	$^\circ\text{C}$

### ELECTRO-OPTICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage (Per Chip)	$V_F$	$I_F=20\text{mA}$	-	2.1	2.8	V
Reverse Current (Per Chip)	$I_R$	$V_R=4\text{V}$	-	-	100	$\mu\text{A}$
Luminous Intensity (Per Lamp)	$I_V$	$I_F=15\text{mA} \times 3 \text{ chips}$	3.5	11	-	mcd
Peak Emission Wave Length	$\lambda_p$	$I_F=15\text{mA}$	-	635	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=15\text{mA}$	-	40	-	nm



### PIN CONFIGURATIONS

