

TLS258

GaAsP RED LIGHT EMISSION

FEATURES:

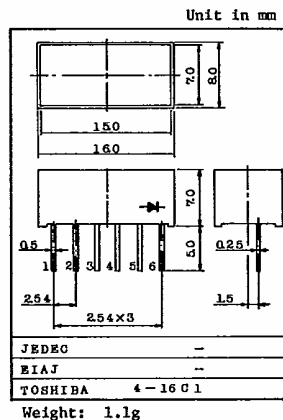
- Rectangular Type (Surface Size 7×15mm)
- Suitable as a Backlight Lamp
- Low Drive Current, Uniform Light Emission
- Recommended Forward Current : $I_F=15\sim20\text{mA}$
- Fast Response Time, Capable of Pulse Operation
- Plastic Mold Type

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}	$-20\sim75$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-30\sim100$	$^\circ\text{C}$

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	μA
Luminous Intensity (Per Lamp)	I_V	$I_F=15\text{mA} \times 3 \text{ chips}$	3.5	11	-	mcd
Peak Emission Wave Length	λ_p	$I_F=15\text{mA}$	-	635	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=15\text{mA}$	-	40	-	nm



PIN CONFIGURATIONS

