

# ZD1802 DATASHEET:

## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Continuous Forward Current	$I_F$	40	mA
Operating Temperature	$T_{opr}$	-40~+80	°C
Storage Temperature	$T_{stg}$	-40~+80	°C
Soldering Temperature	$T_{sol}$	260±5	°C
Power Dissipation	$P_D$	100	mW
Peak Forward Current (Duty 1/10@1KHz)	$I_F$ (Peak)	100	mA
Reverse Voltage	$V_R$	5	V

## Electronic Optical Characteristics :

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	$I_v$	7	15	32	mcd	$I_F=20mA$
Peak Wavelength	$\lambda_p$	655	660	665	nm	$I_F=20mA$
Spectrum Radiation Bandwidth	$\Delta\lambda$	19	24	29	nm	$I_F=20mA$
Forward Voltage	$V_F$	1.6	1.85	2.4	V	$I_F=20mA$
Reverse Current	$I_R$	/	/	100	µA	$V_R=5V$

