

LED Backlight Characteristics for LCD242

Operating LCD242 backlight at absolute maximum ratings may cause permanent damage to the device.

Absolute Maximum Ratings at $T_A = 25^\circ$ Celcius

Item	Symbol	Condition	Min.	Typical	Max.	Units
Forward Voltage	V_f	$I_f = 190\text{mA}$ Yellow Green	3.8	4.1	4.4	V
*Luminous Intensity	I_v	$I_f = 190\text{mA}$ Yellow Green	--	280	--	LUX
Peak Emission Wavelength	λ_P	$I_f = 20\text{mA}$ Yellow Green	--	573	--	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_f = 20\text{mA}$ Yellow Green	--	30	--	nm
Reverse Current	I_r	$V_r = 8\text{V}$ Yellow Green	--	--	1.9	mA

* Measured at the bare LED backlight unit.

LED Maximum Operating Range

Item	Symbol	Value	Units
Power Dissipation	P	1.85	Watts
Forward Current	I_f	420	mA
Reverse Voltage	V_r	8	V