

■ **Electro-optical Characteristics**

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

Parameter	Symbol	Conditions	MIN.	TYP.	MAX	Unit
Forward voltage	V_F	$I_F = 50\text{mA}$		1.55	1.7	V
Peak forward voltage	V_{FM}	$I_{FM} = 300\text{mA}$, $t = 10\text{ms}$	—	1.7	1.95	V
Reverse current	I_R	$V_R = 1\text{V}$			100	μA
Radiant flux	*3 Φ_e	$I_{FM} = 300\text{mA}$, $t = 10\text{ms}$	4.2	9	—	mW
Peak emission wavelength	λ_p	$I_F = 50\text{mA}$		850	—	nm
Spectrum radiation bandwidth	$\Delta\lambda$	$I_F = 50\text{mA}$	—	35		nm
Half intensity angle	$\Delta\theta$	$I_F = 50\text{mA}$		± 32	—	
Terminal capacitance	C_t	$V_R = 0$, $f = 1\text{MHz}$	—	80		pF

*3 Radiation output to effective angle ($\pm 25^\circ$)

Fig. 1 Forward Current vs. Ambient Temperature

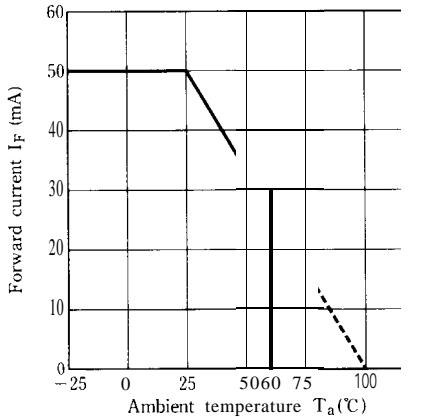
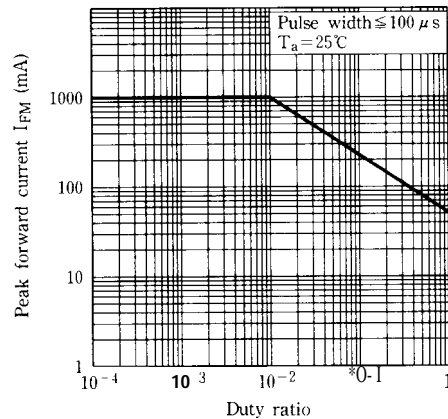


Fig. 2 Peak Forward Current vs. Duty Ratio



Please refer to the chapter "Precautions for Use." (Page 78 to 93)