

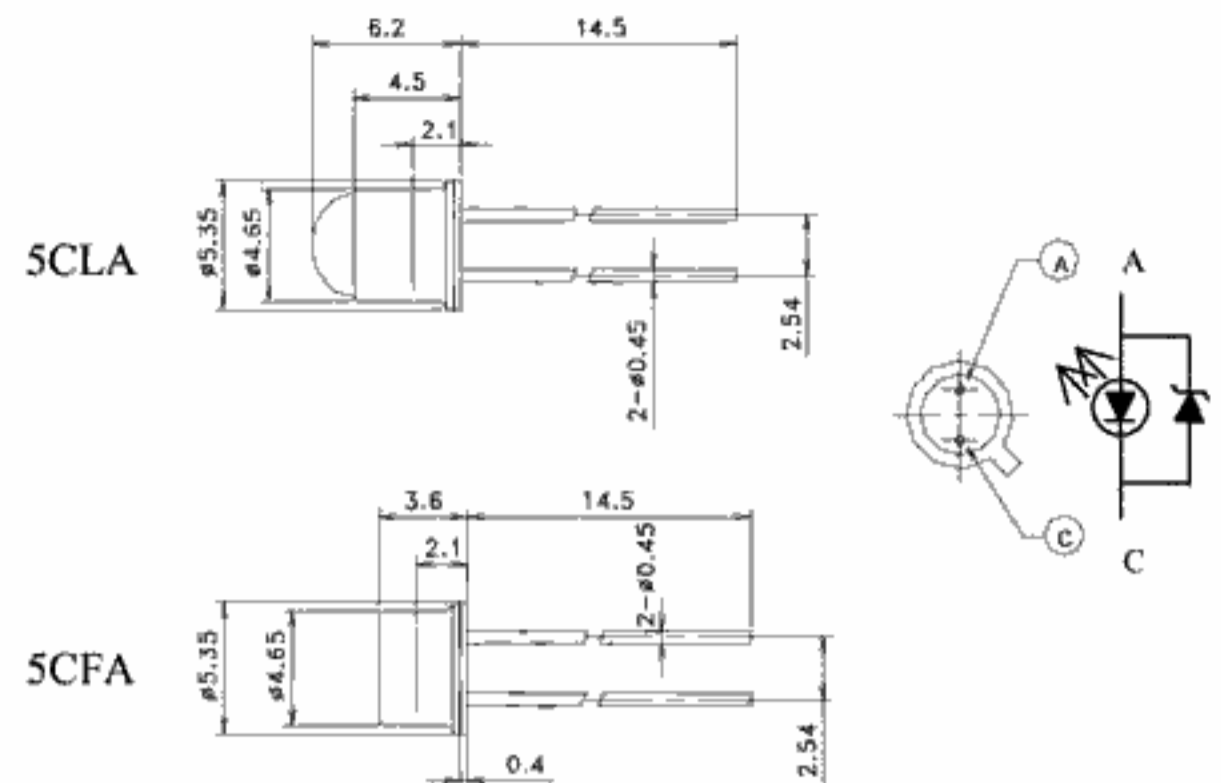
# ULTRA VIOLET LED Lamp

NS365L-5CLA NS365L-5CFA  
 NS370L-5CLA NS370L-5CFA  
 NS375L-5CLA NS375L-5CFA

## Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Maximum Rating	Unit
DC Forward Current	$I_F$	25	mA
Pulse Forward Current*	$I_{FP}$	100	mA
Reverse Current	$I_R$	85	mA
Power Dissipation	$P_D$	100	mW
Operating Temperature	$T_{OPR}$	-30 to +80	°C
Storage Temperature	$T_{STG}$	-30 to +100	°C
Soldering Temperature	$T_{SOL}$	260(within 10sec)	°C

## Dimension (Unit : mm)



\* Conditions : Duty Cycle  $\leq 1/10$ , Pulse Width  $\leq 0.1$ msec

## Optical and Electrical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F=20$ mA	3.2	3.8	4.4	V
			3.2	3.6	4.2	
Peak Wavelength <sup>1</sup>	$\lambda_p$	$I_F=20$ mA	363	-	370	nm
			370	-	375	
			375	-	380	
Full Width at Half Maximum	$\Delta\lambda$	$I_F=20$ mA	-	15	-	nm
			-	12	-	
Optical Output Power <sup>2</sup>	$P_o$	$I_F=20$ mA	Refer to Rank Information			mW

\*1 Measurement error is  $\pm 2$ nm

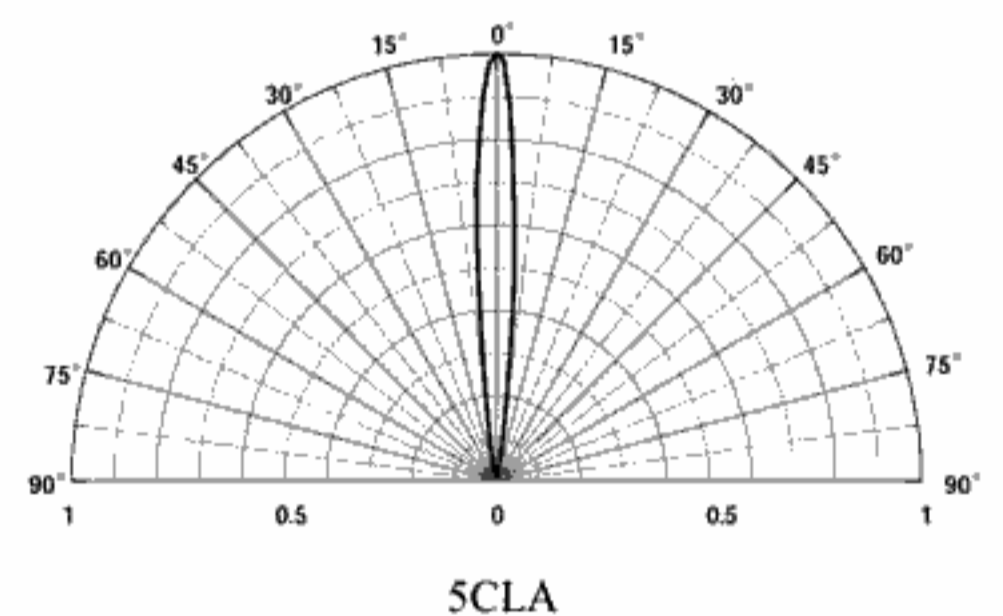
\*2 Measurement error is  $\pm 10\%$

## Rank Information

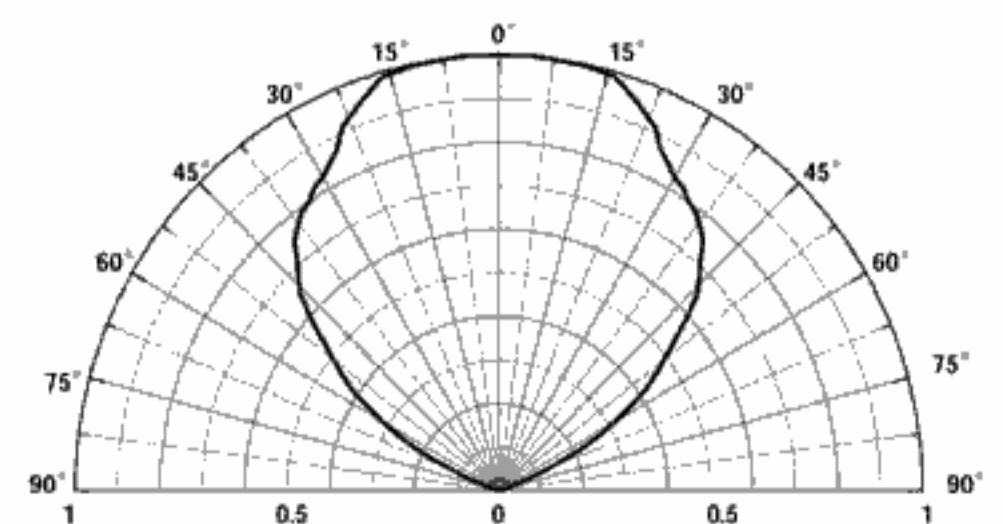
Rank	Optical Output Power			NS365L		NS370L		NS375L	
	Min.	Typ.	Max.	-5CFA	-5CLA	-5CFA	-5CLA	-5CFA	-5CLA
2	0.4	-	0.6	○	○	ask*3	○		ask*3
3	0.6	-	0.8	○	ask*3	○	○	ask*3	○
4	0.8	-	1.2	ask*3		○	○	○	○
5	1.2	-	1.8			○	ask*3	○	○
6	1.8	-	2.4			ask*3		○	ask*3
7	2.4	-	3.0					ask*3	

\*3 Please contact us for availability.

## Directive Characteristics (Ta=25°C)



5CLA



5CFA



## 注意 CAUTION

点灯中のLEDからは強い紫外線が出ています。 LEDs emit very strong UV radiation.

点灯中のLEDを肉眼で見ることは避けてください。

短時間見つめただけでも強い紫外線で目をいためる危険性があります。

Don't look directly into the LED light. UV radiation can harm your eyes.

やむを得ず見る場合は、必ず紫外線カット作用のある防護眼鏡をご使用ください。

To prevent even inadequate exposure, wear protective eyewear.

LEDを直視する可能性のある製品にご使用の場合はその旨警告表示してください。

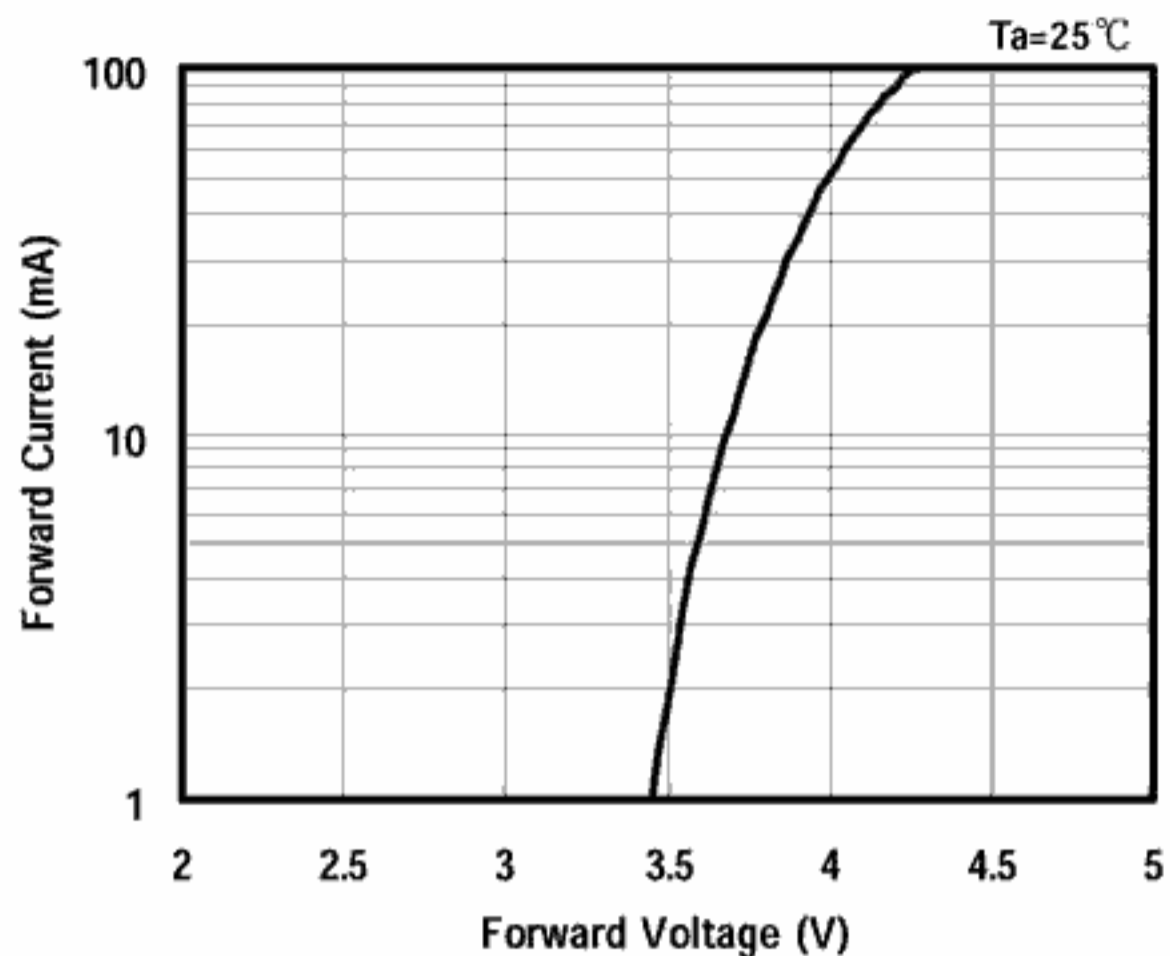
If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.

幼児の手に届かないところに置いてください。 Keep out of reach of children.

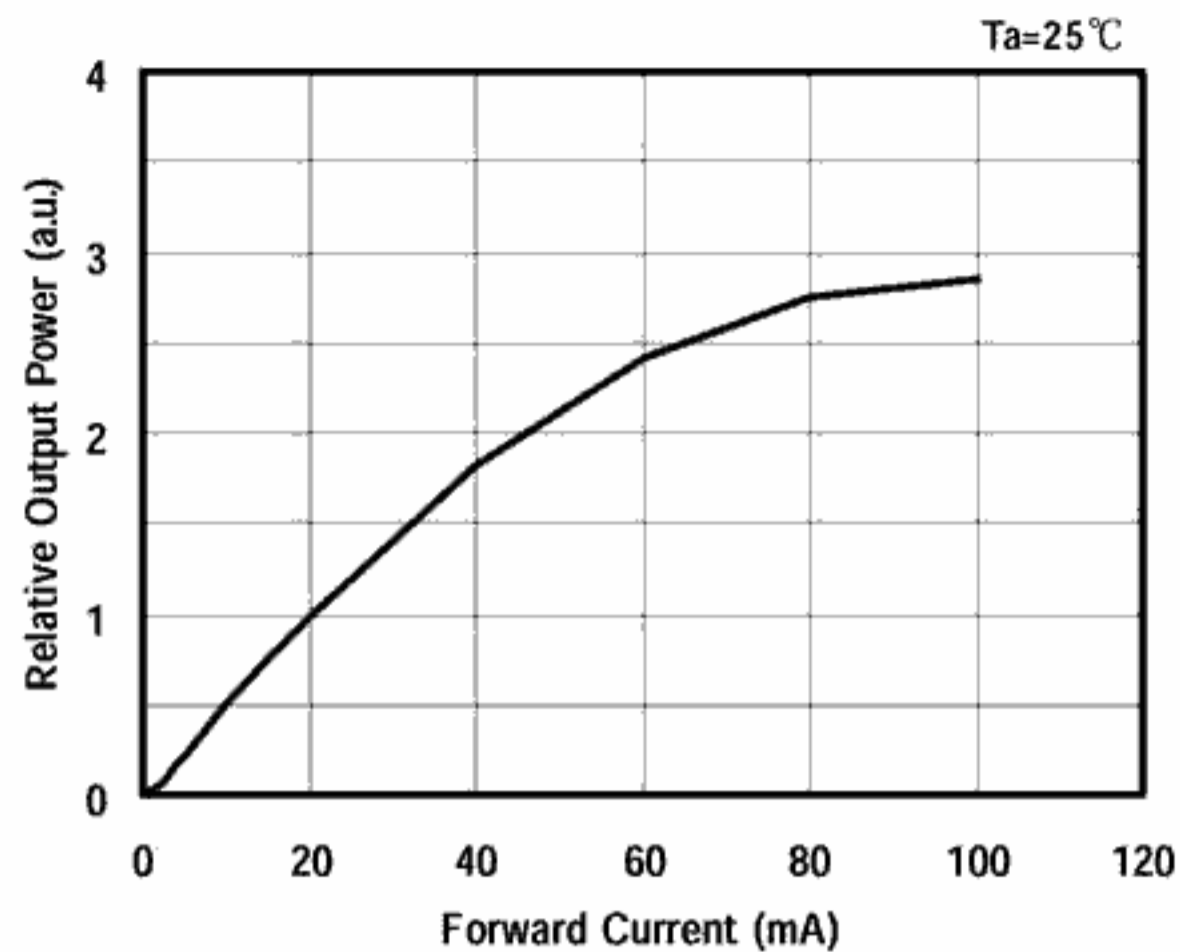
# ULTRA VIOLET LED Lamp Typical Characteristics

NS365L-5CLA  
NS365L-5CFA

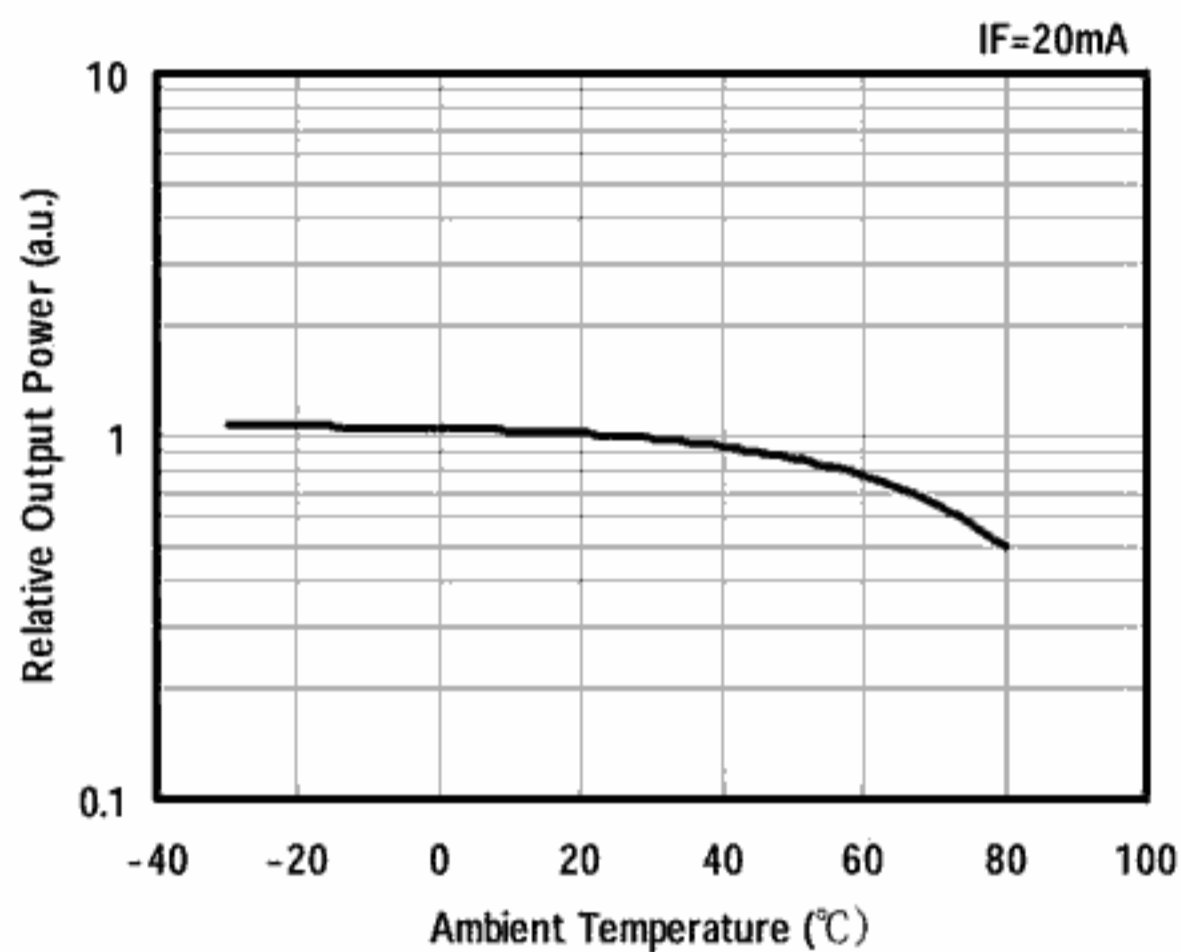
■ Forward Voltage vs. Forward Current



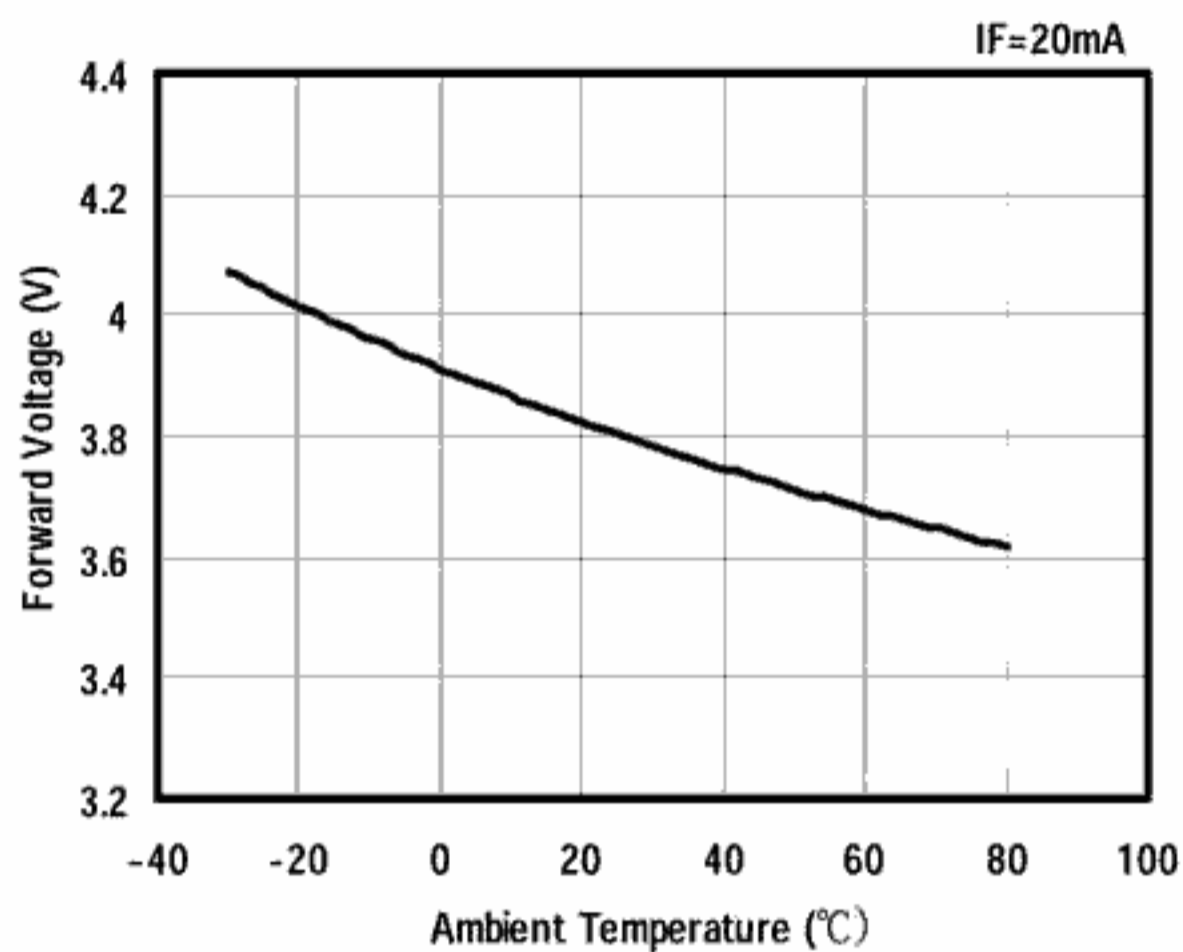
■ Forward Current vs. Relative Output Power



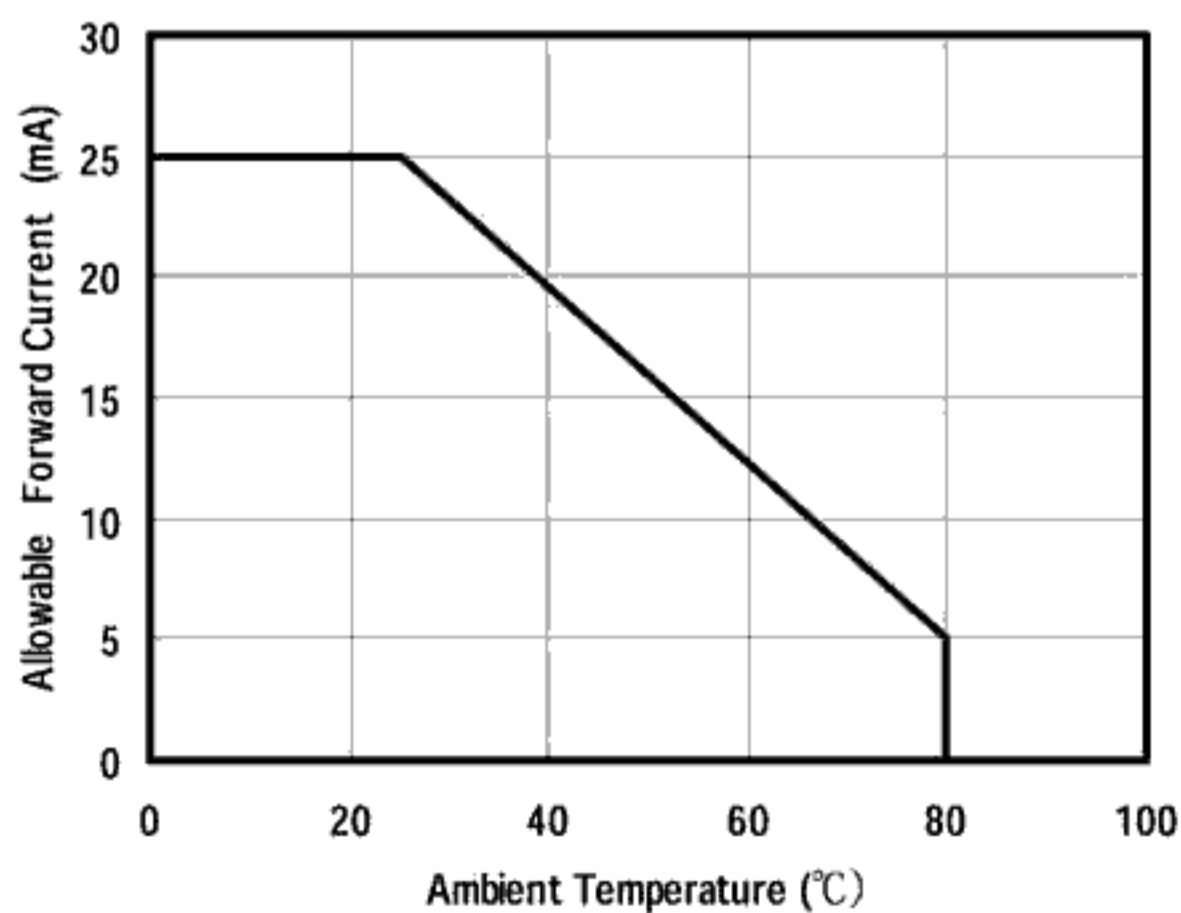
■ Ambient Temperature vs. Relative Output Power



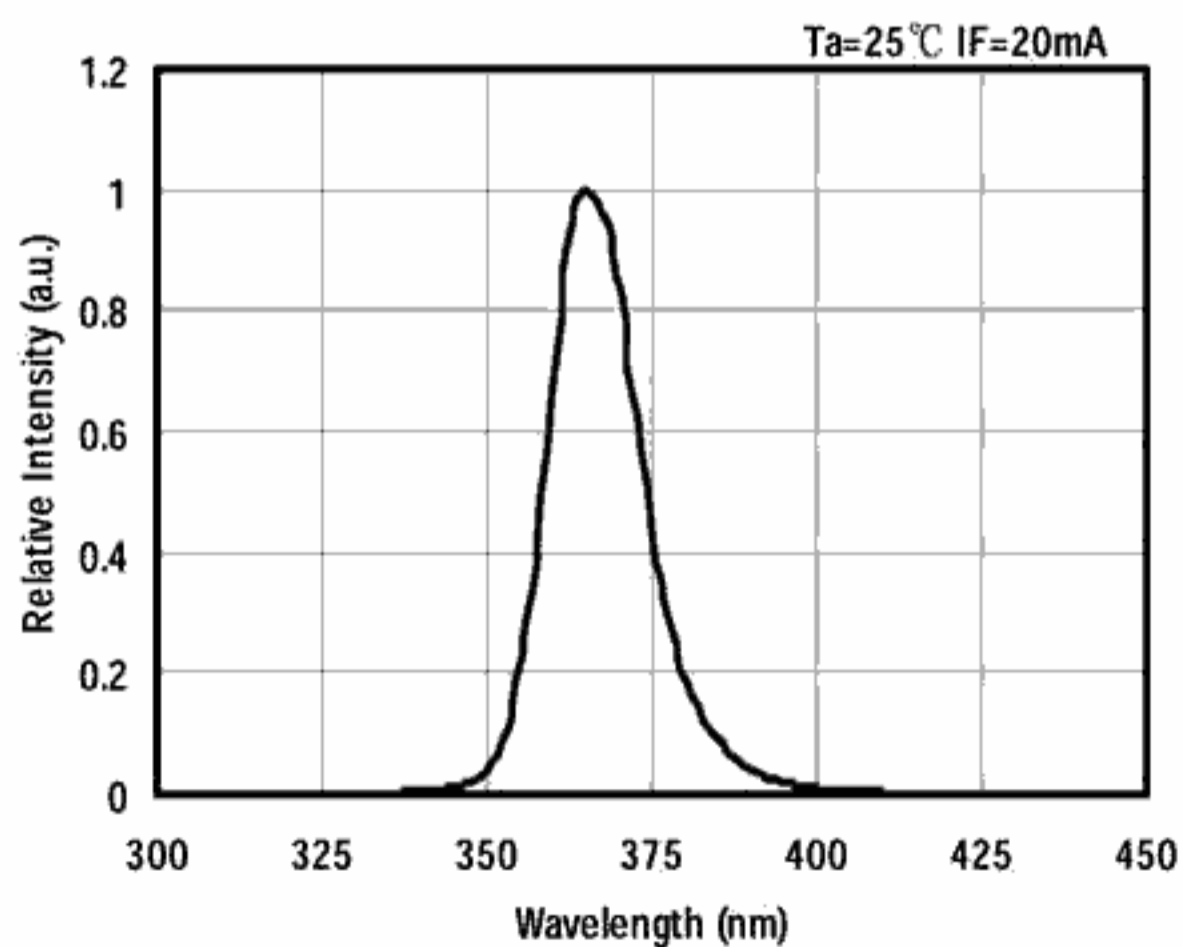
■ Ambient Temperature vs. Forward Voltage



■ Ambient Temperature vs. Allowable Forward Current



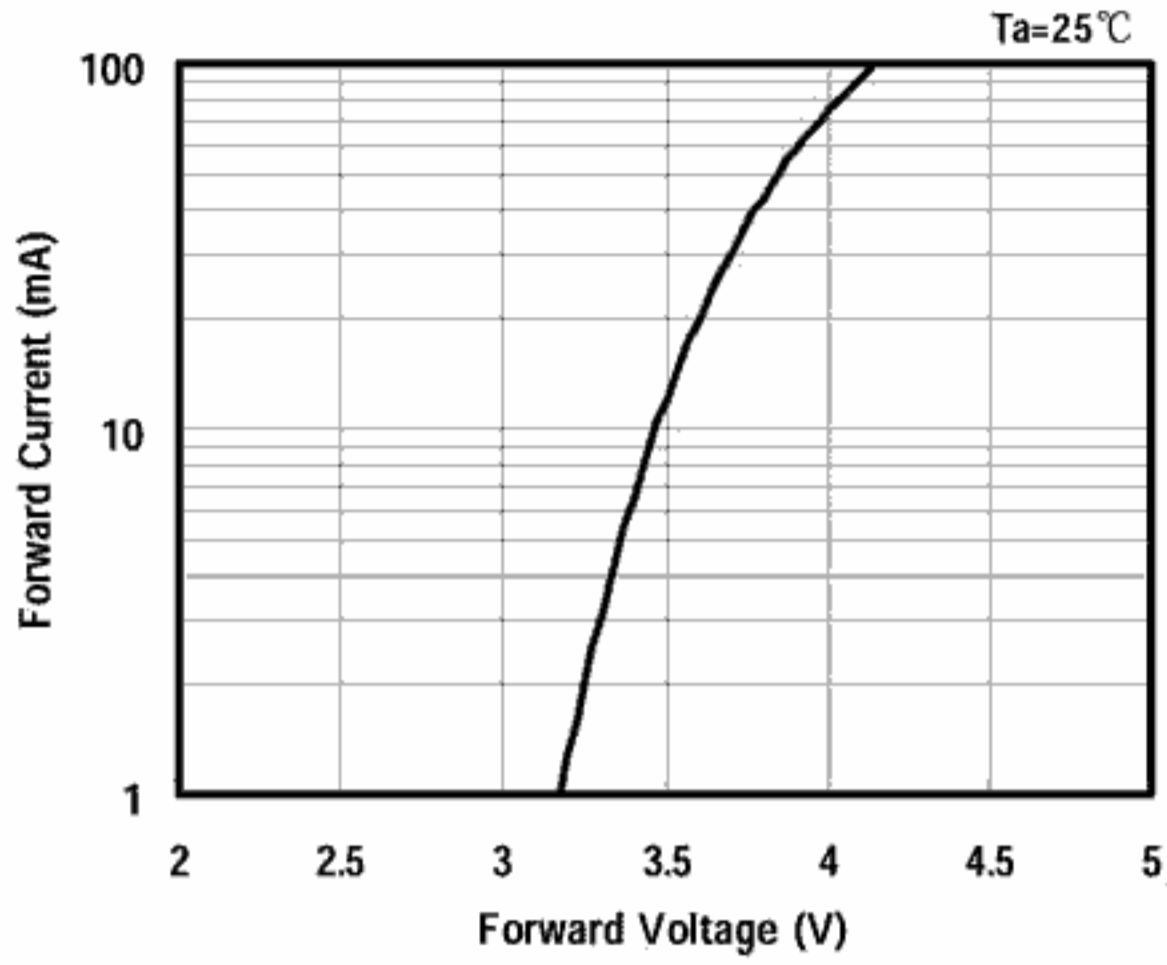
■ Spectrum



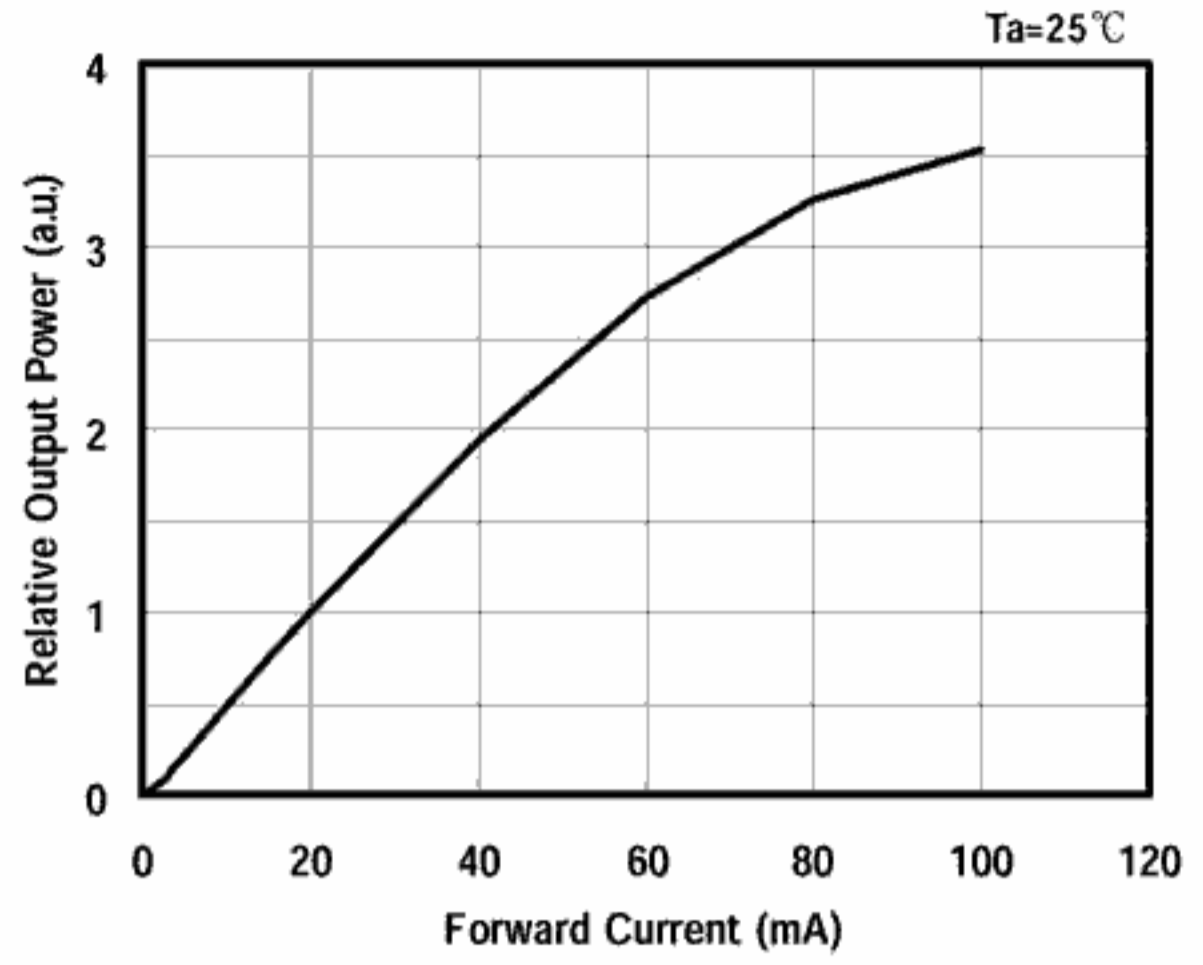
# ULTRA VIOLET LED Lamp Typical Characteristics

NS370L-5CLA  
NS370L-5CFA

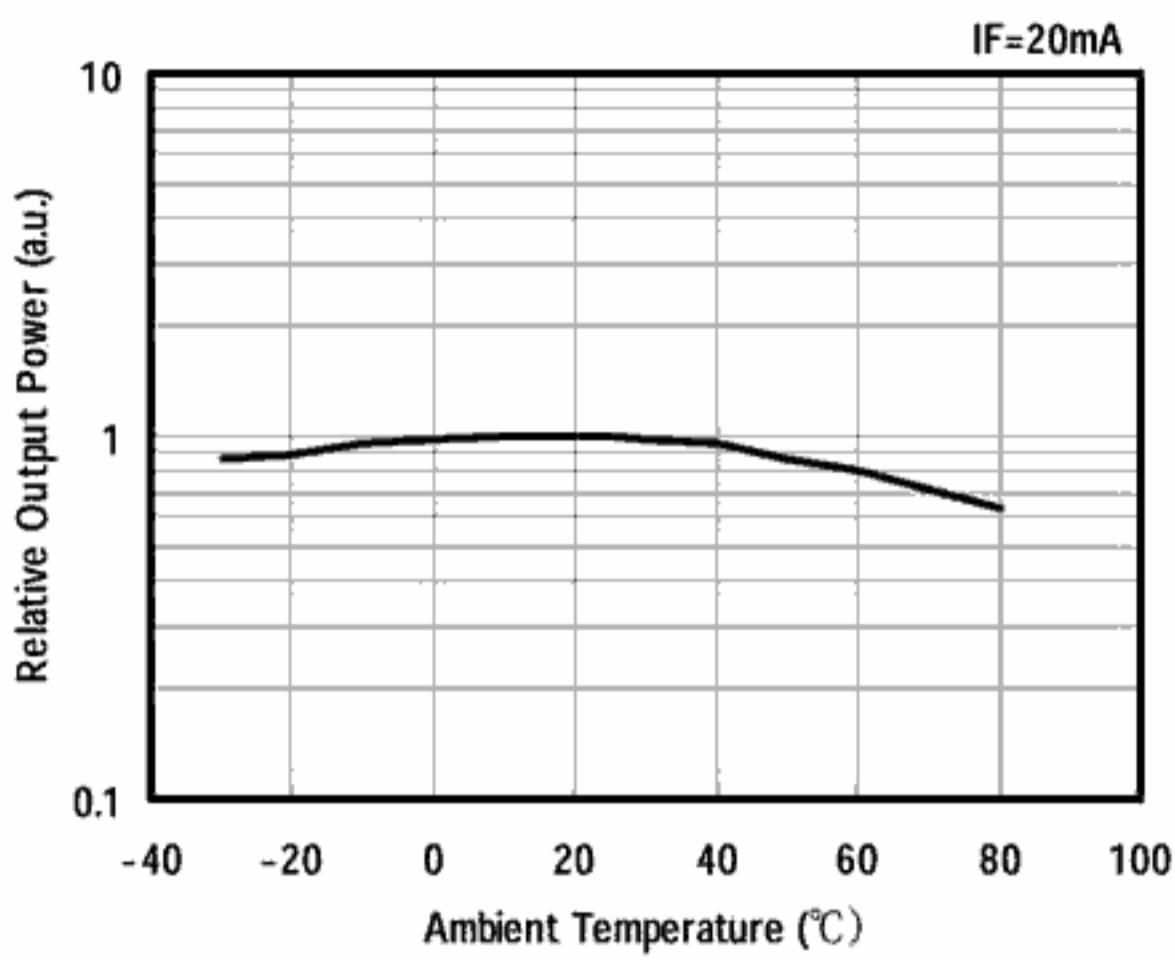
■ Forward Voltage vs. Forward Current



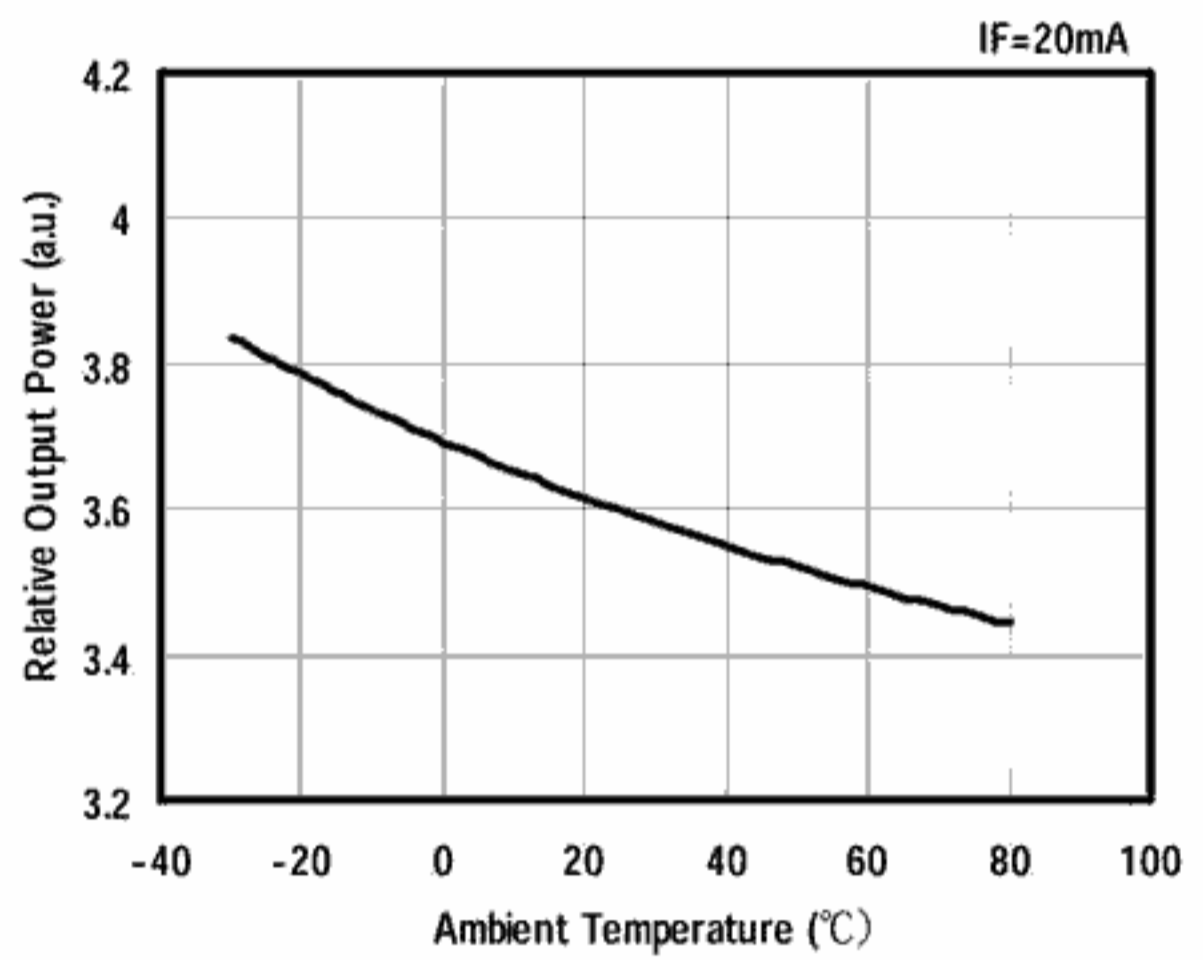
■ Forward Current vs. Relative Output Power



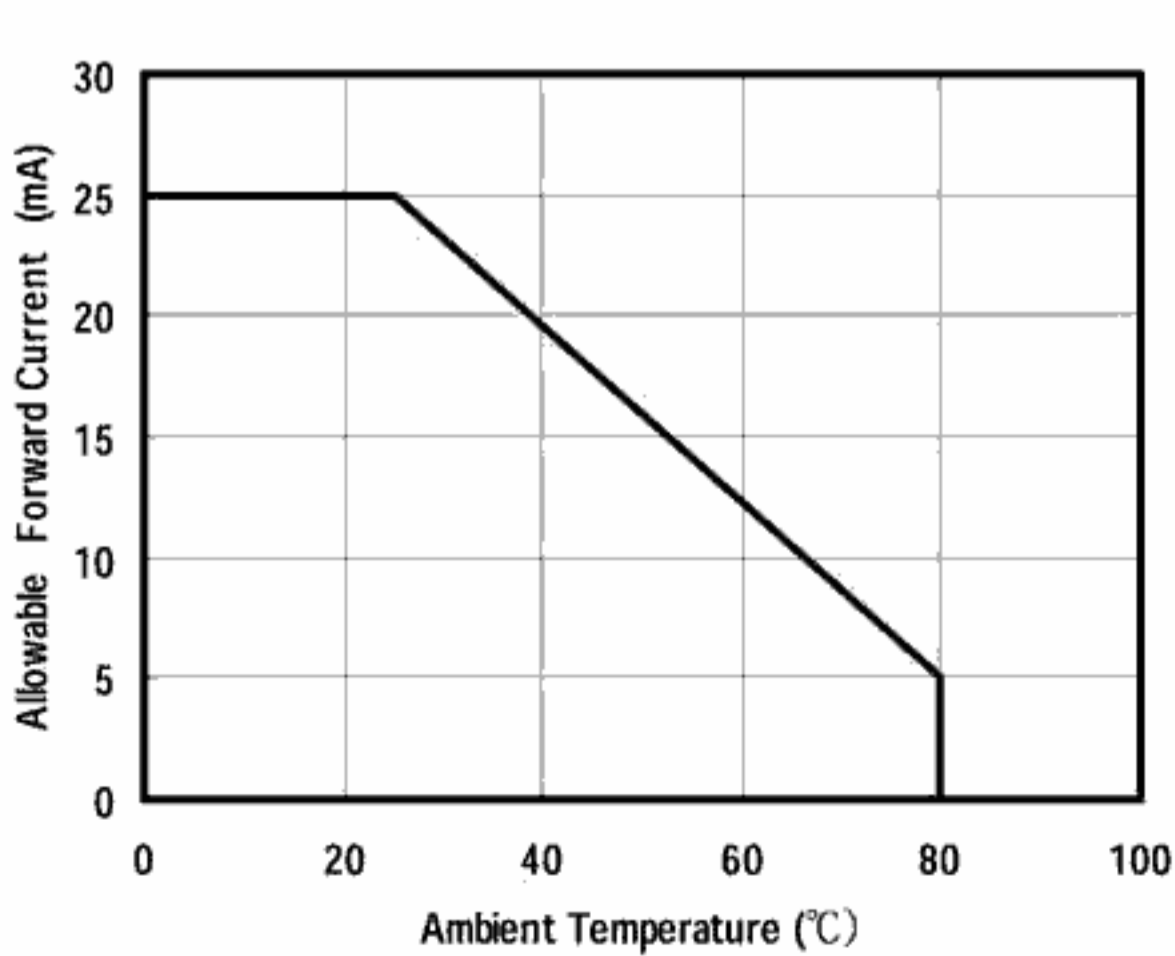
■ Ambient Temperature vs. Relative Output Power



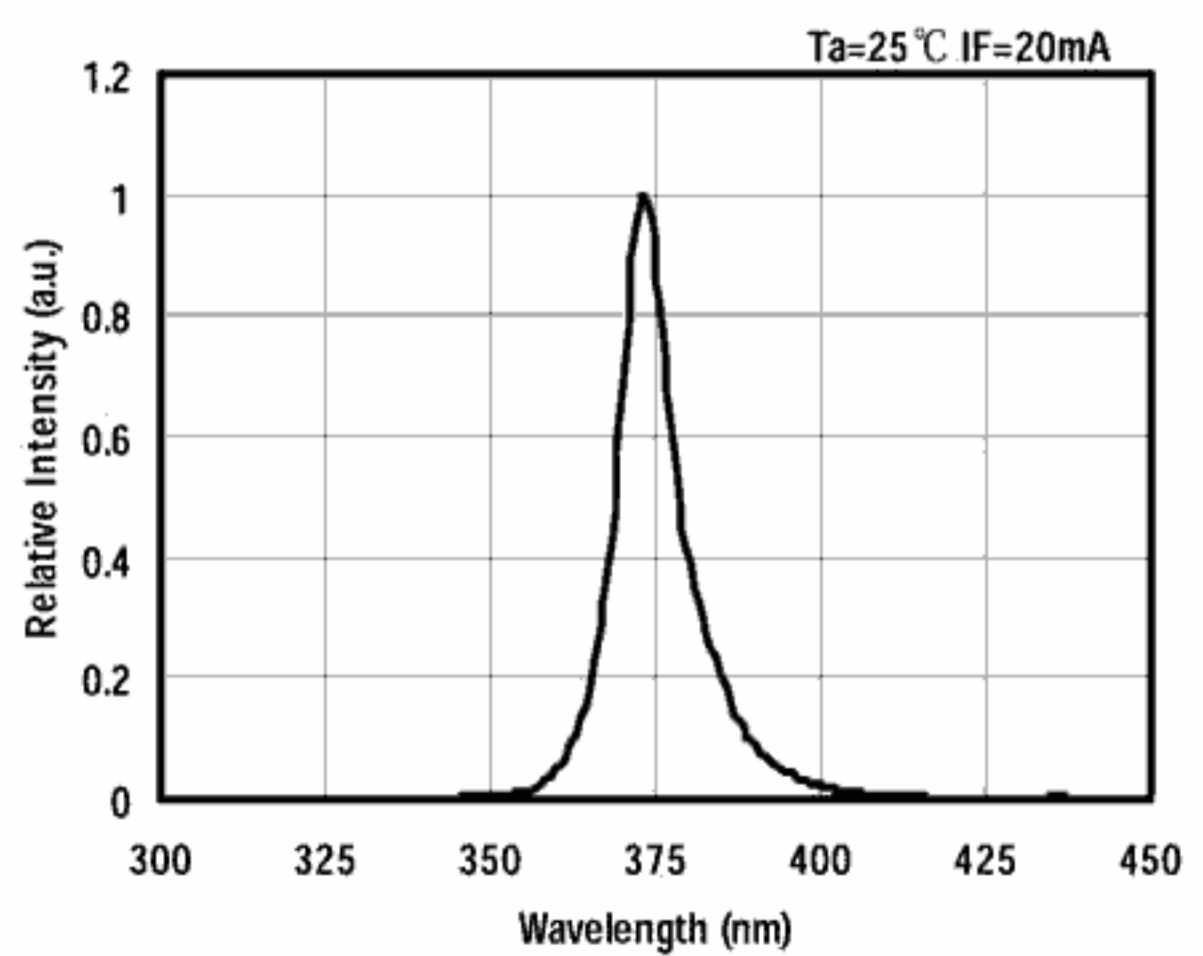
■ Ambient Temperature vs. Forward Voltage



■ Ambient Temperature vs. Allowable Forward Current



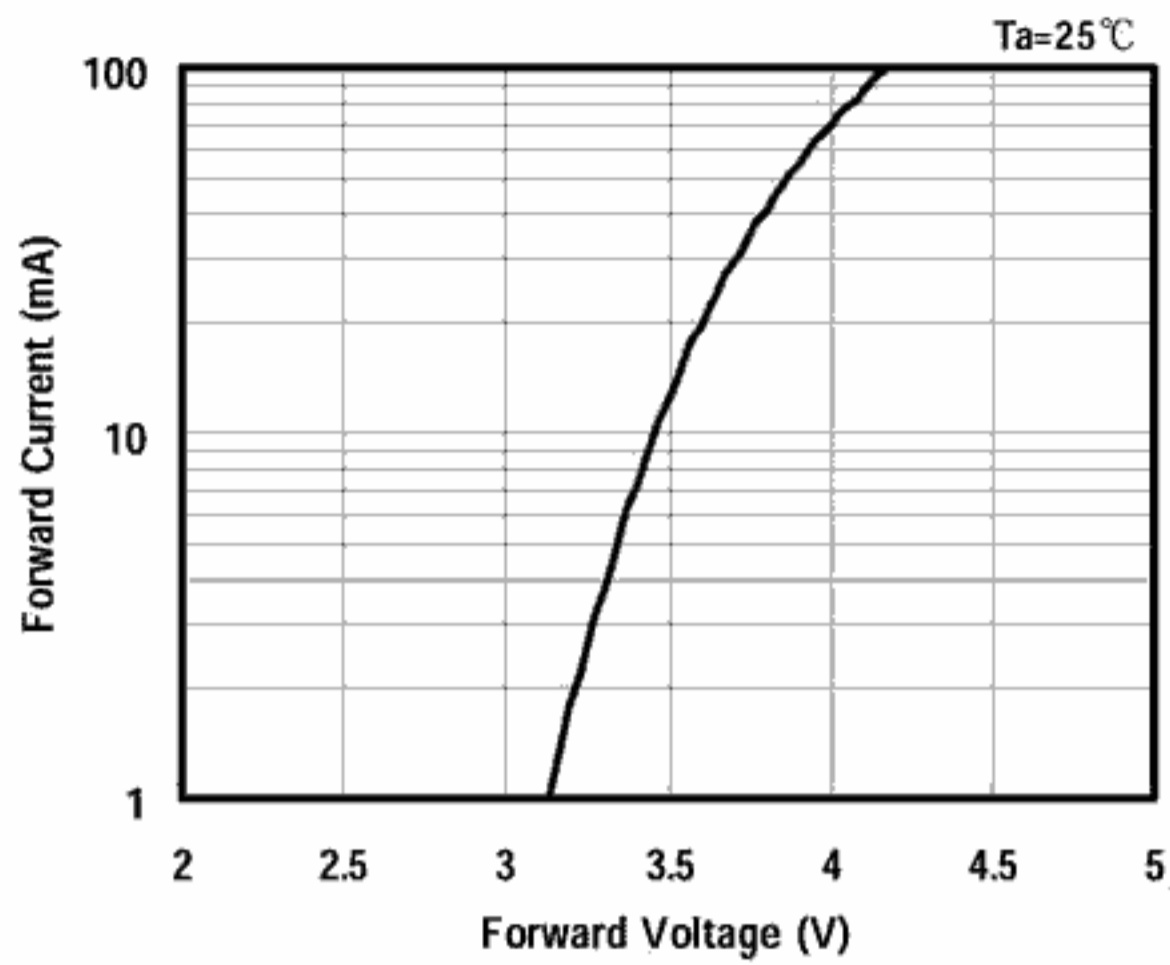
■ Spectrum



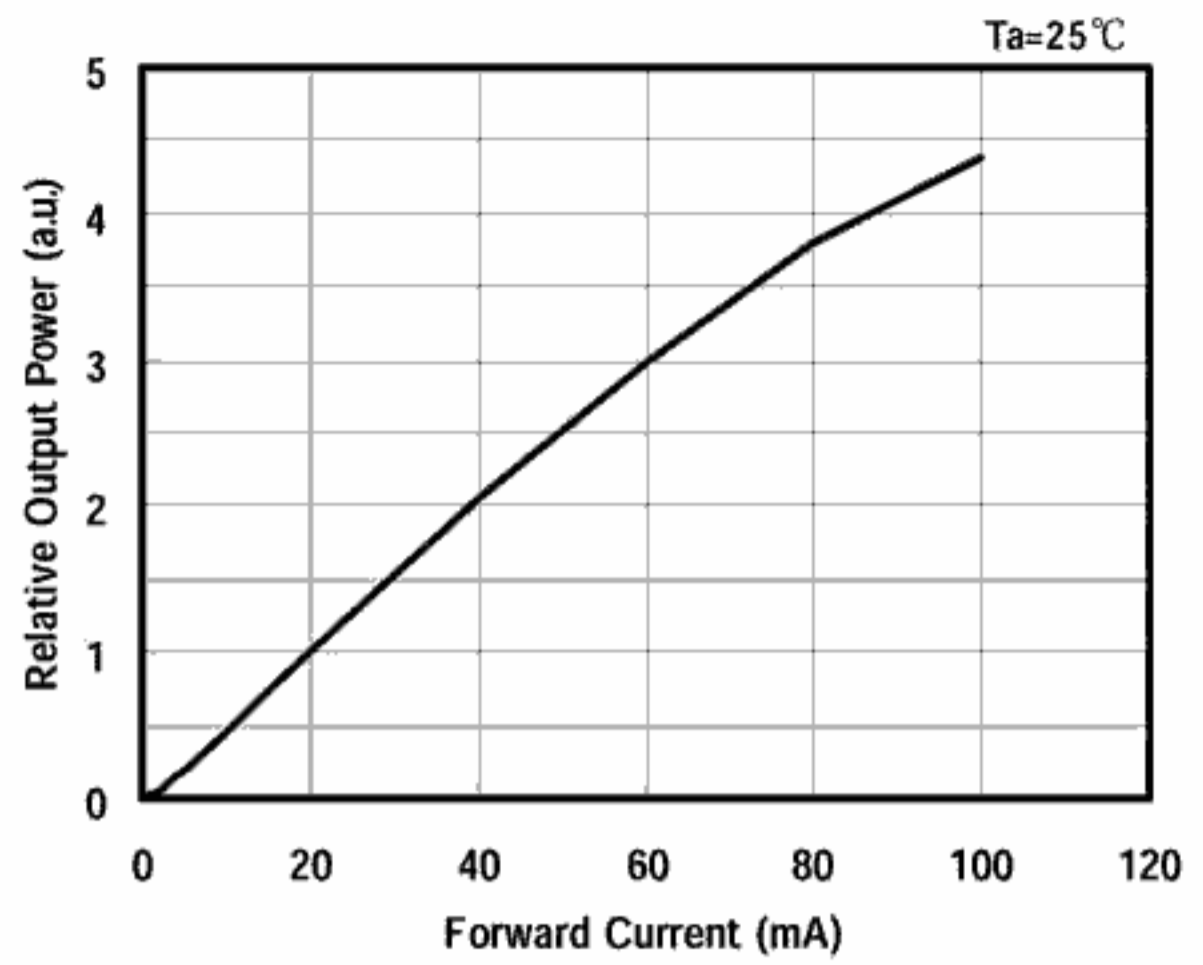
# ULTRA VIOLET LED Lamp Typical Characteristics

NS375L-5CLA  
NS375L-5CFA

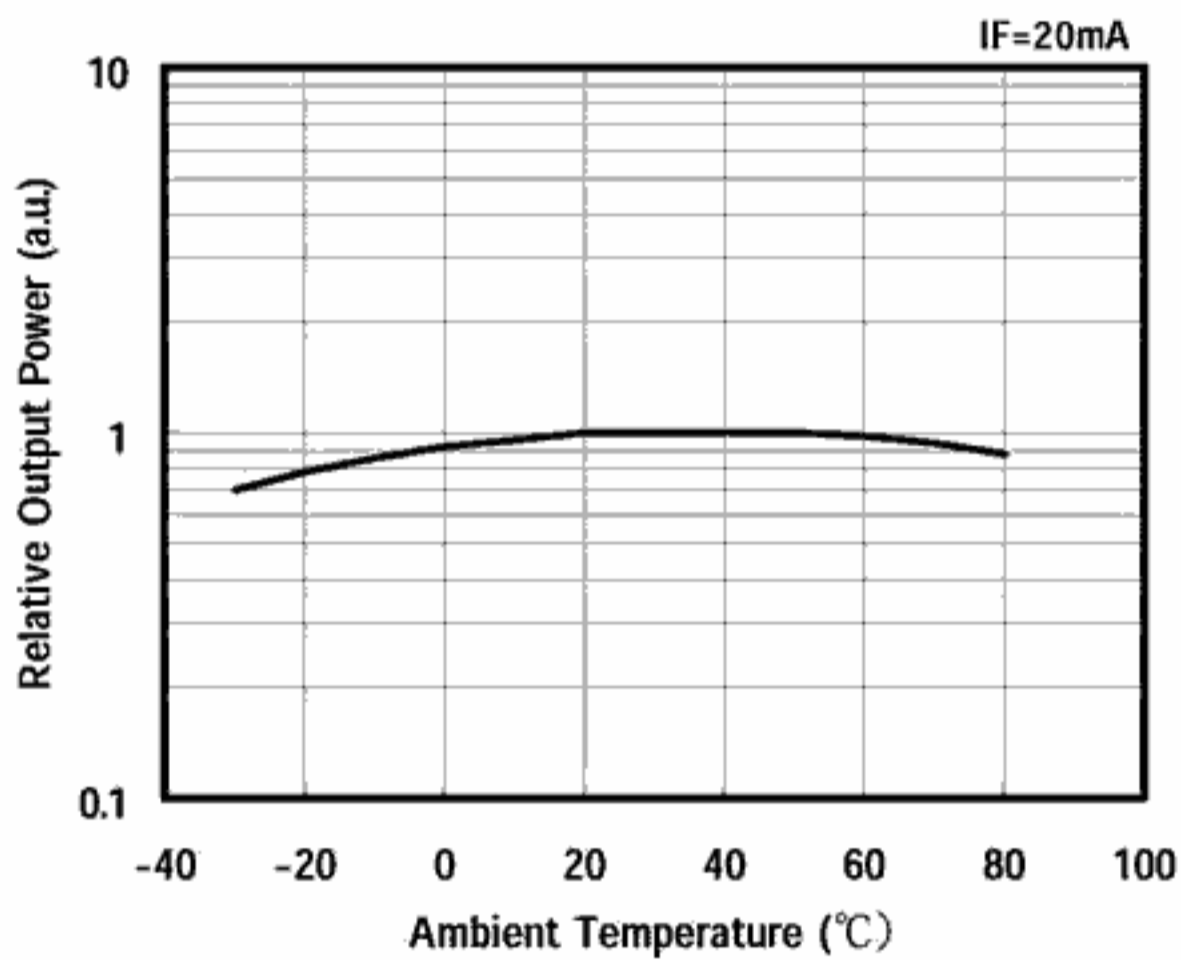
■ Forward Voltage vs. Forward Current



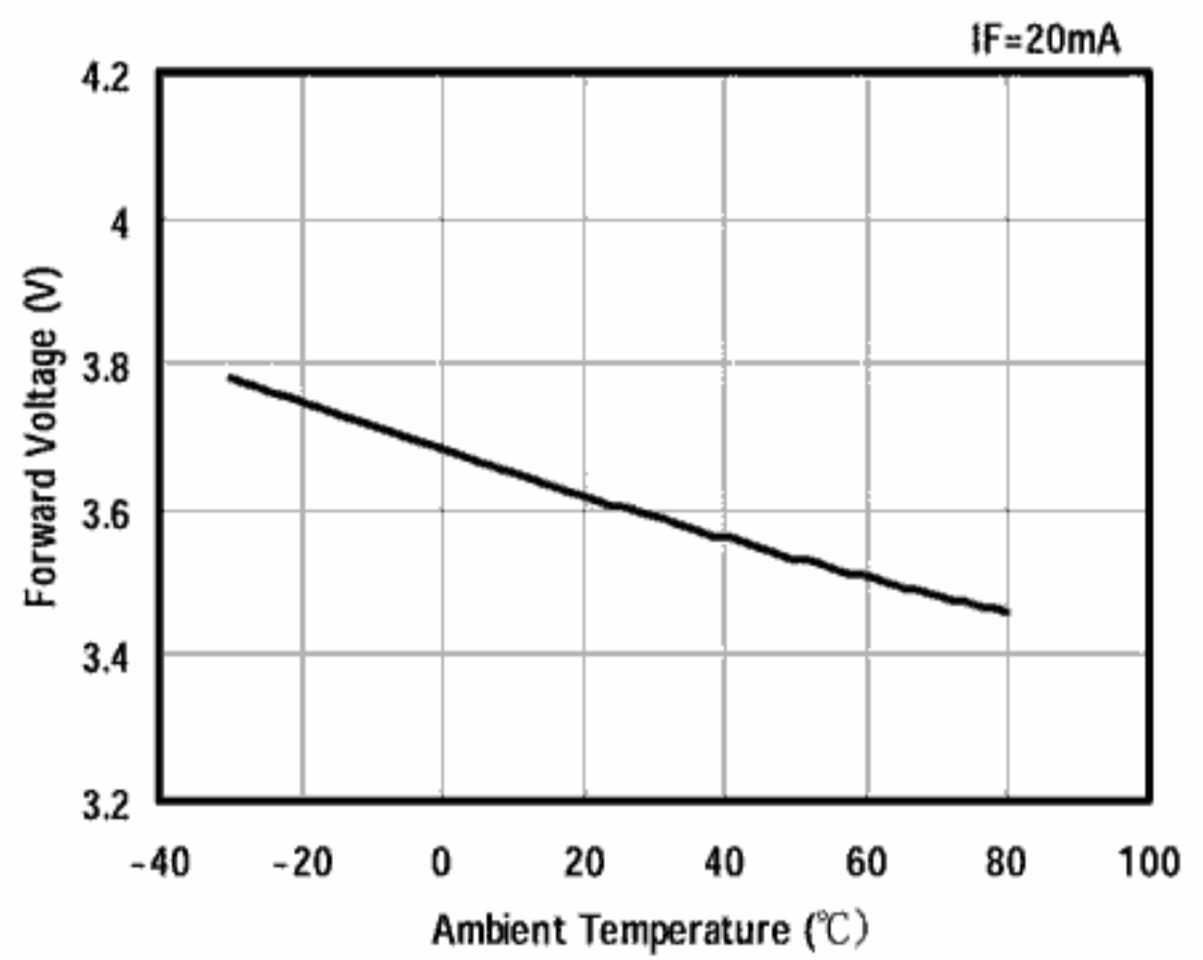
■ Forward Current vs. Relative Output Power



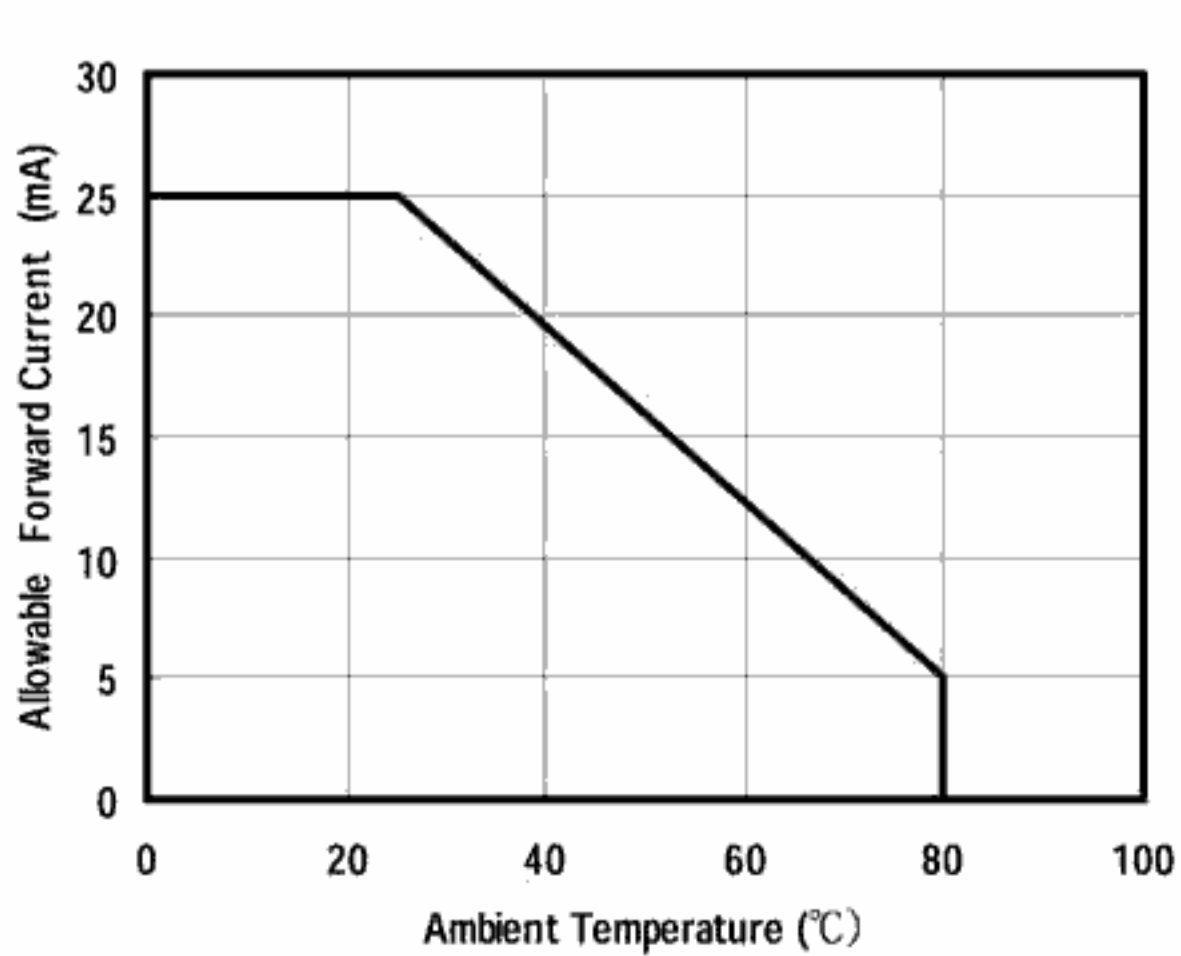
■ Ambient Temperature vs. Relative Output Power



■ Ambient Temperature vs. Forward Voltage



■ Ambient Temperature vs. Allowable Forward Current



■ Spectrum

