

1. Name: UV LED LAMP

2. YLUV-365

3. Absolute maximum ratings (Ta=25)

Item	Symbol	Maximum rating	Unit
DC Forward current	I_F	25	mA
Pulse forward current*1	I_{FP}	100	mA
Power dissipation	P_D	100	mW
Operating temperature	T_{OPR}	-30 to +80	
Storage temperature	T_{STG}	-30 to +85	
Soldering temperature	T_{SOL}	260 within 10 seconds	

*1 Conditions: Duty cycle 1/10, Pulse width 0.1msec

4. Optical and electrical characteristics (Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_F	$I_F=20mA$	3.2	3.6	4.2	V
Peak wavelength*2	λ_p	$I_F=20mA$	365	-	370	nm
Full width at half maximum	λ	$I_F=20mA$	10	-	20	nm
Optical output power *3	Rank 7 & 8 P_o	$I_F=20mA$	2.4	-	4.0	mW

*2 Measurement error: $\pm 2nm$

*3 Measurement error: 10%

5. Standard optical and electrical characteristics

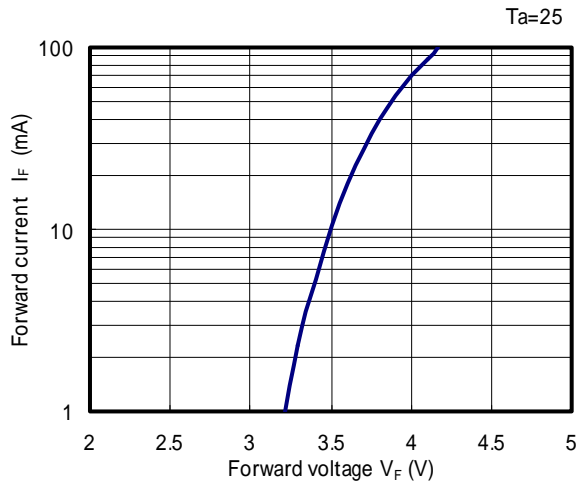
To be hereinafter described.

6. Dimensional outline and materials (This product complies with RoHS.)

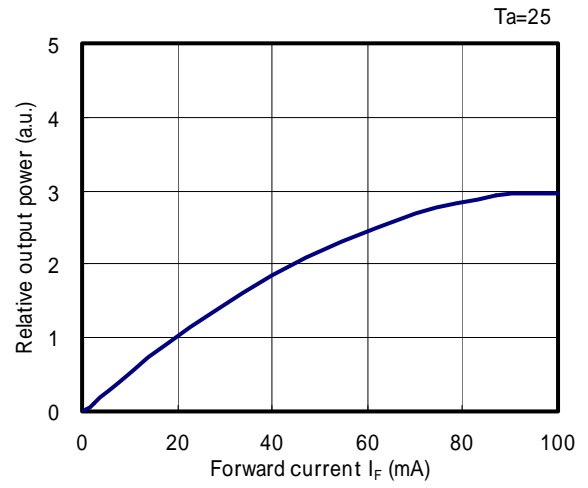
To be hereinafter described.

Optical and electrical characteristics

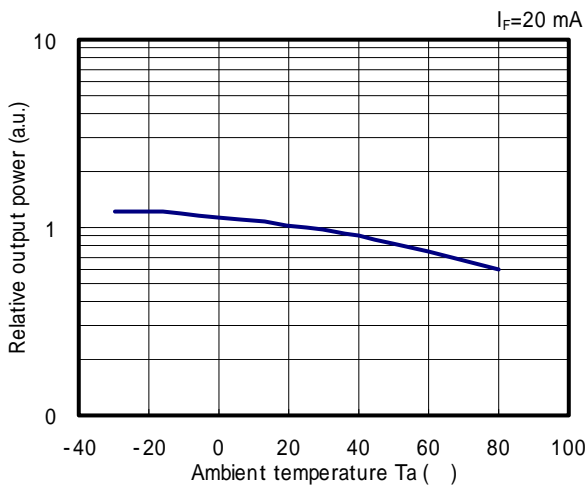
Forward voltage vs. Forward current



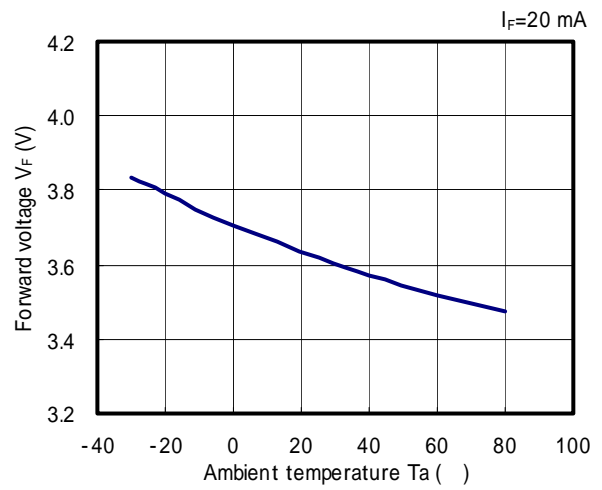
Forward current vs. Relative output power



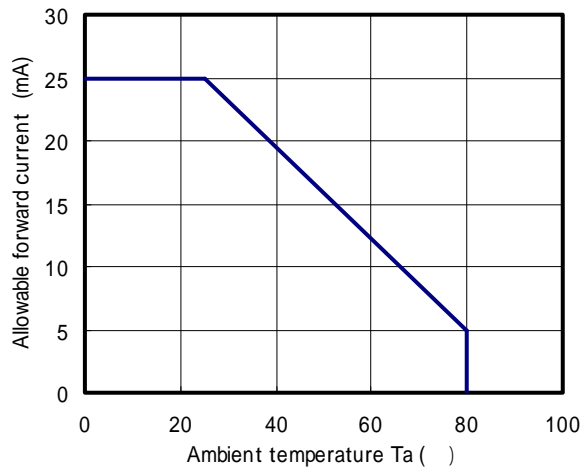
Ambient temperature vs. Relative output power



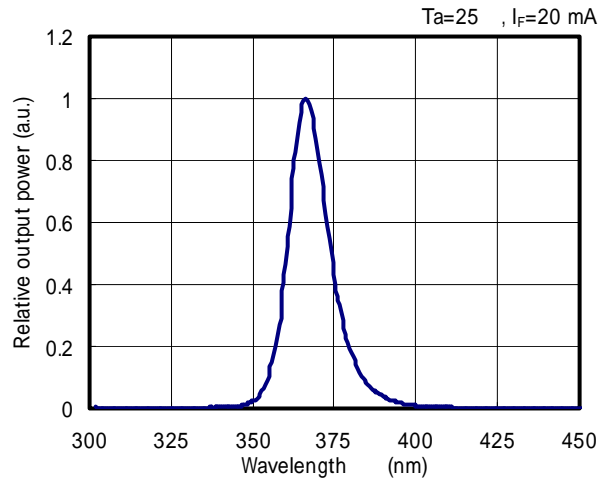
Ambient temperature vs. Forward voltage



Ambient temperature vs.
Allowable forward current



Spectrum



Directivity

