

1. Name: UV LED
2. Model: UV-360-515

3. Absolute maximum ratings

(Ta=25 ) Item	Symbol	Maximum rating	Unit
DC Forward current	IF	25	mA
Pulse forward current*	IFP	100	mA
Power dissipation	PD	100	mW
Operating temperature	TOPR	-30 to +80	
Storage temperature	TSTG	-30 to +85	
Soldering temperature	TSOL	260 within 10 seconds	

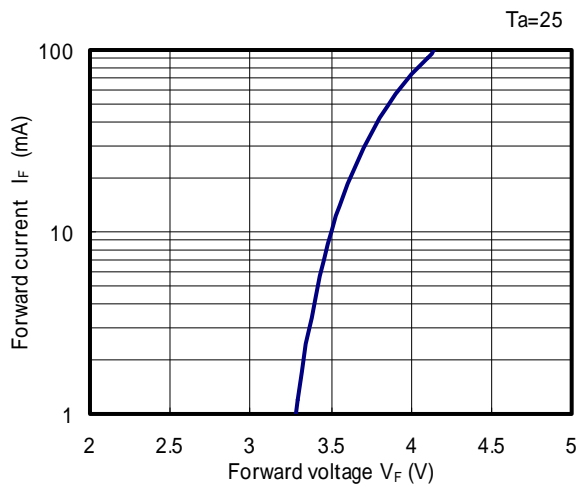
\* Conditions: Duty cycle 1/10, Pulse width 0.1msec

4. Optical and electrical characteristics ( Ta=25 )

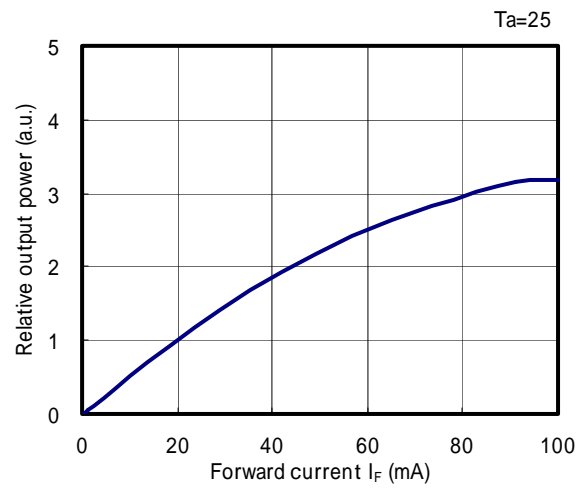
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF=20mA	3.2	3.6	4.2	V
Peak wavelength	$\lambda_p$	IF=20mA	360	-	363	nm
Full width at half maximum	$\lambda$	IF=20mA	10	15	20	nm
Optical output power	Po	IF=20mA	1.2	1.5	1.8	mW

# Optical and electrical characteristics

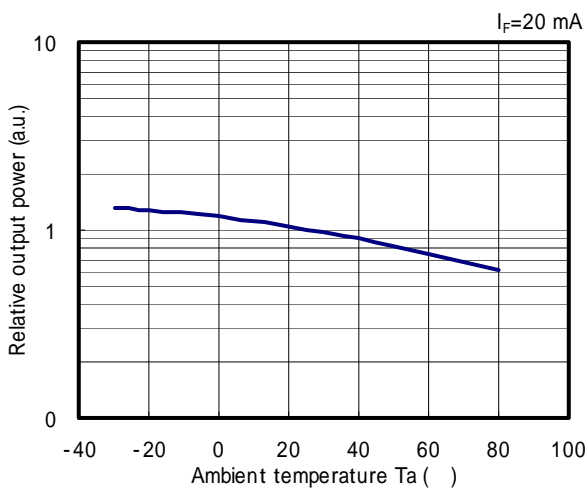
### Forward current vs. Forward voltage



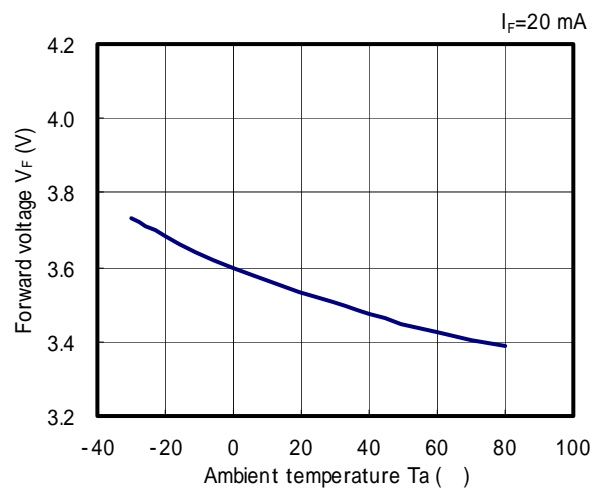
### Relative output power vs. Forward current



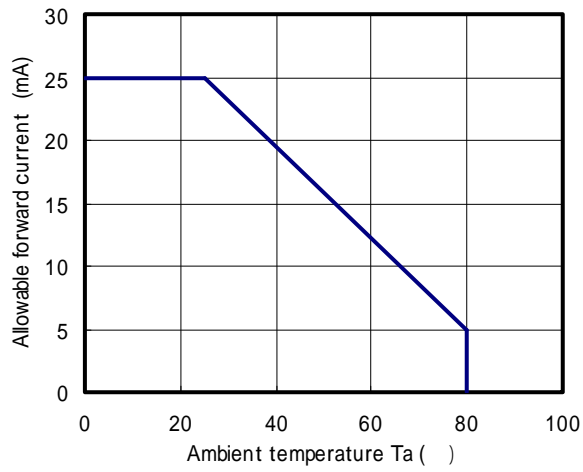
### Relative output power vs. Ambient temperature



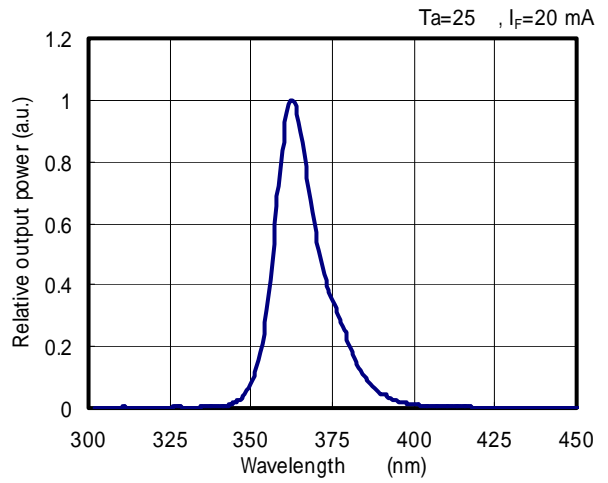
### Forward voltage vs. Ambient temperature



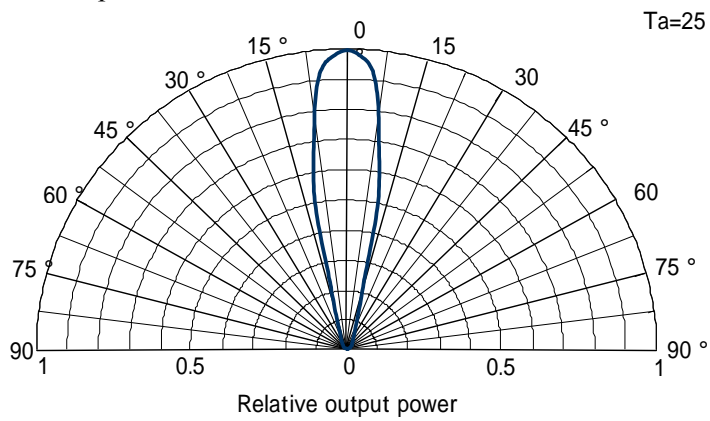
Allowable forward current vs. Ambient temperature



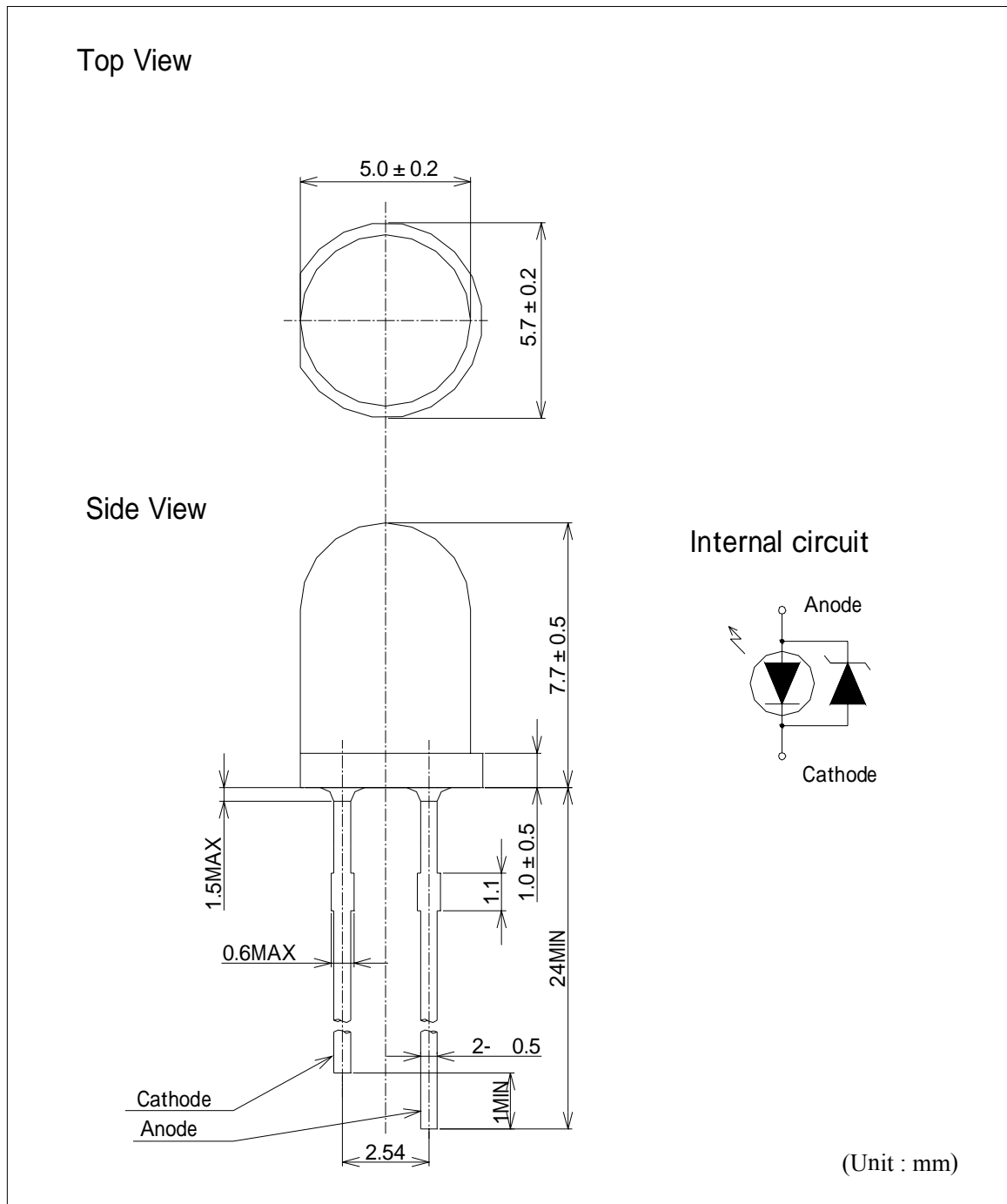
Spectrum



Radiation pattern



Dimensional outline drawing



\*A Zener diode is built in the protective circuit against static electricity.

Item	Material
Encapsulating Resin	Silicone resin
Lead Frame	Fe + Ag coating