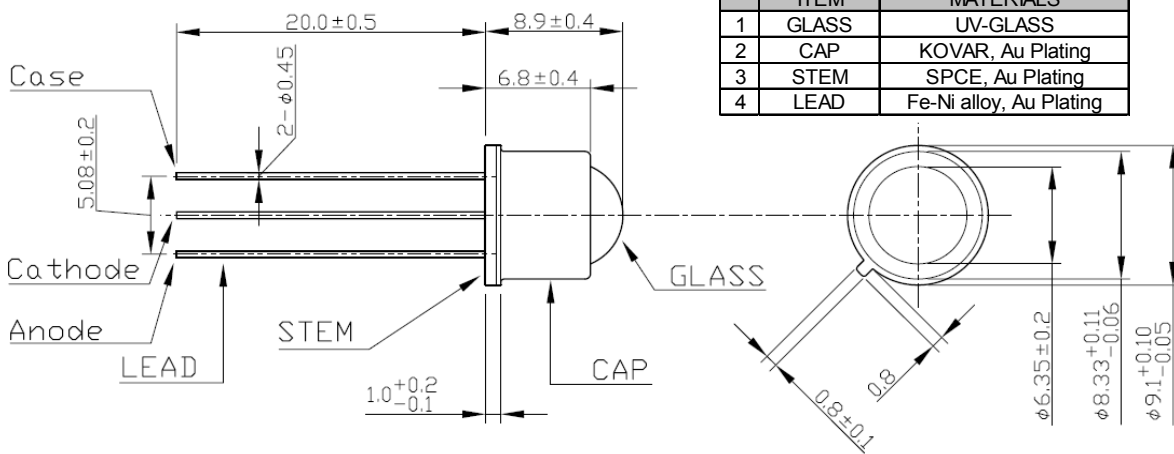
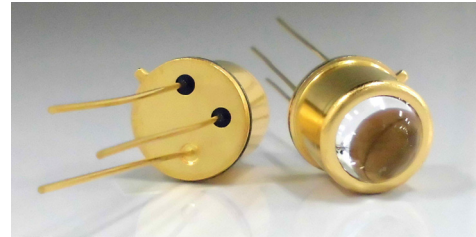


### Mechanical Specifications and Materials (Unit:mm)

**Part Number**  
**280nm: DF8VL-1H36**



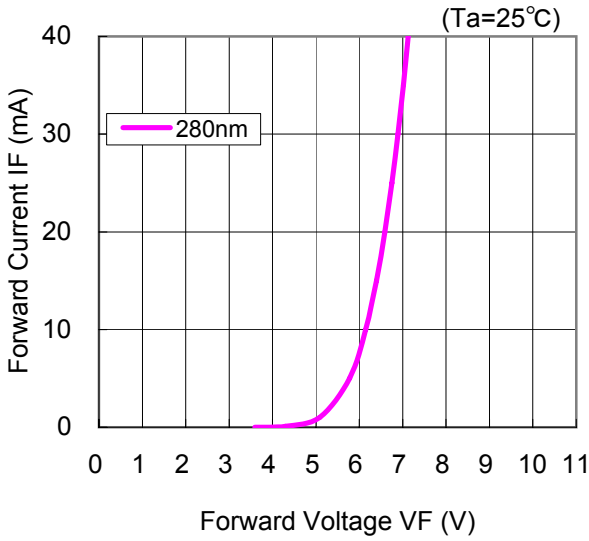
### Typical Optical-Electrical Characteristics ( $I_F=20\text{mA}$ , $T_a=25^\circ\text{C}$ )

Item	Symbol	Unit	DF8VL
Peak Wavelength	$\lambda_p$	nm	280±5
Radiant Flux	$P_o$	mW	0.6
Full Width at Half Maximum	$\Delta\lambda$	nm	10
Forward Voltage	$V_F$	V	7
Viewing Half Angle	$2\theta_{1/2}$	deg.	6

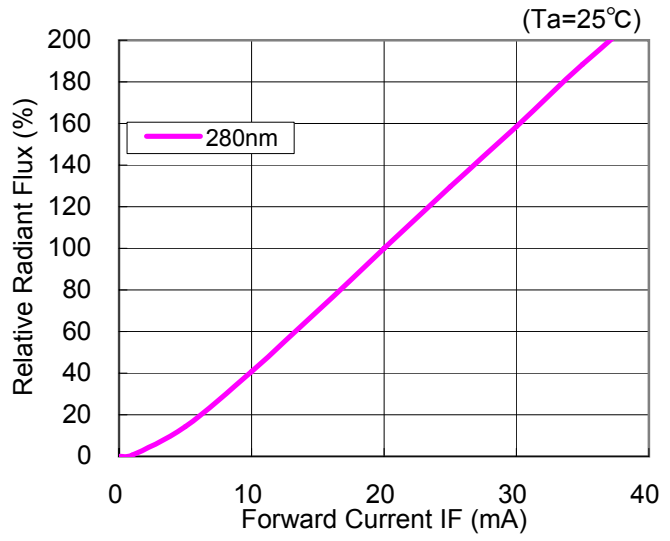
### Absolute Maximum Ratings

Item	Symbol	Unit	Ambient Temperature	
Forward Current	$I_{Fmax}$	mA	40	$T_a=25^\circ\text{C}$
Operating Temperature	$T_{OPR}$	$^\circ\text{C}$	-30 ~ +80	
Storage Temperature	$T_{STG}$	$^\circ\text{C}$	-40 ~ +100	
Soldering Temperature	$T_{SOL}$	$^\circ\text{C}$	300	(within 5sec)

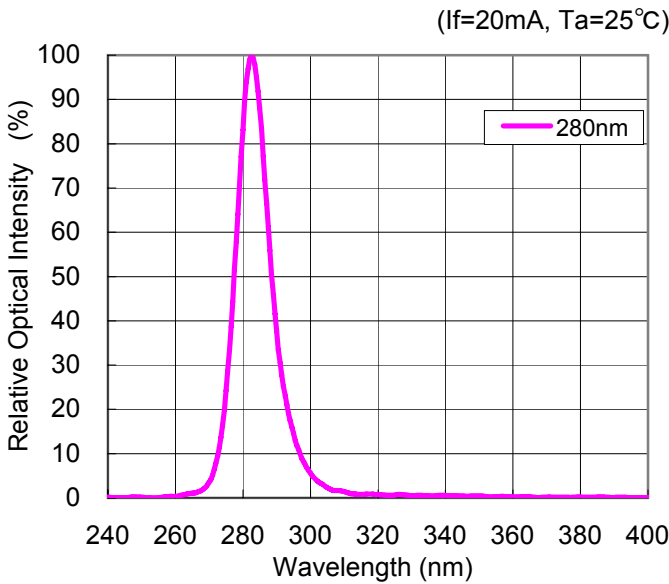
**Forward Current vs Forward Voltage**



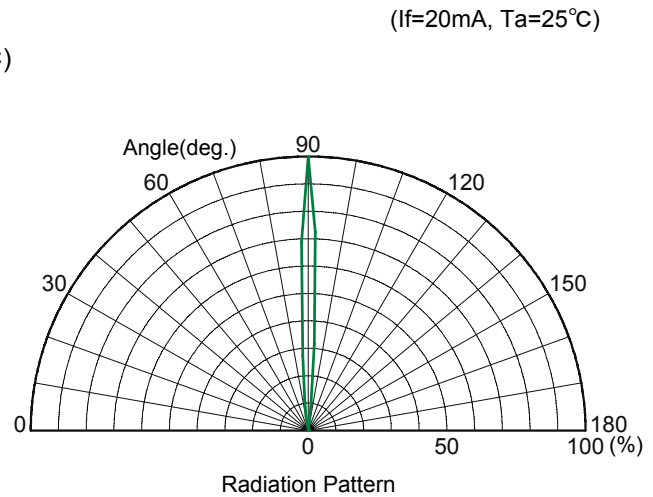
**Forward Current vs Radiant Flux**





**Relative Intensity vs Peak Wavelength**

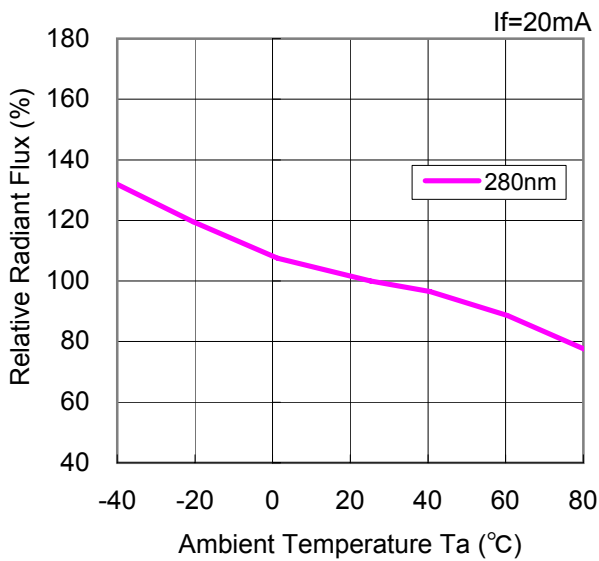


**Radiation Pattern**

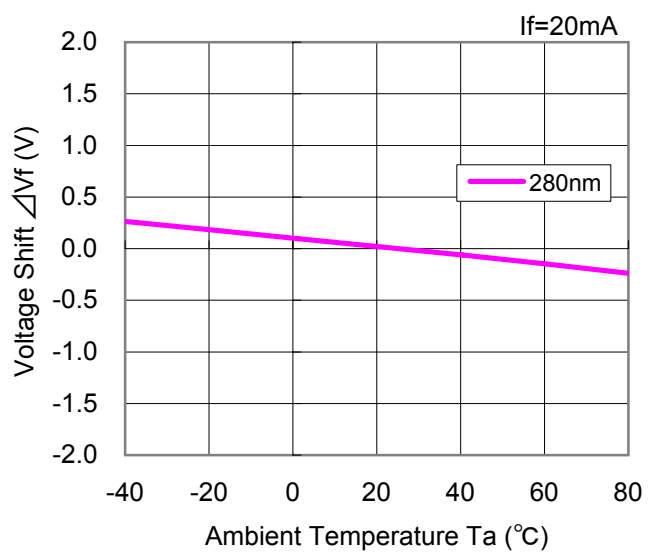


	 <b>CAUTION</b>
	<ul style="list-style-type: none"> <li>• LEDs emit very strong UV radiation.</li> <li>• Don't look directly into the LED light. UV radiation can harm your eyes.</li> <li>• To prevent even inadequate exposure, wear protective eyewear.</li> <li>• If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.</li> <li>• Keep out of reach of children.</li> <li>• Specification and dimension are subject to change for improvement without notice.</li> </ul>

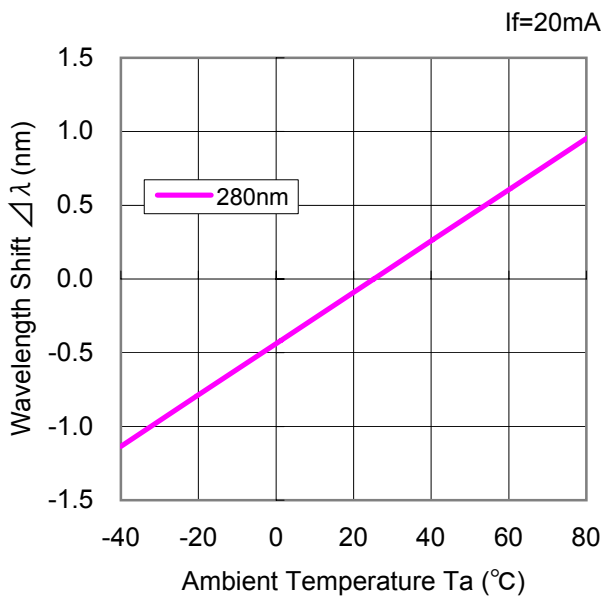
### Radiant Flux vs Ambient Temperature



### Voltage Shift vs Ambient Temperature



### Wavelength Shift vs Ambient Temperature



Issued Jul. 2013.

SPEC information (included design, dimension, and typical data) would be changed without prior notice.

Lead (Pb) Free Product – RoHS Compliant