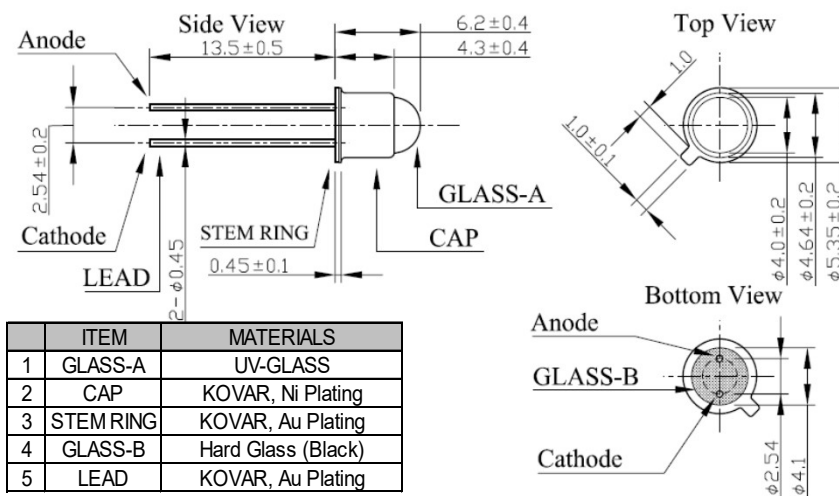


**MODEL xFxVL-1H211 series****TO-18 Hemispherical Can Type****Mechanical Specifications and Materials (Unit: mm)****Product ID****310nm: UF1VL-1H211****325nm: UF3VL-1H211****340nm: UF4VL-1H211****Typical Optical-Electrical Characteristics (I<sub>F</sub>=20mA, T<sub>a</sub>=25°C)**

Item	Symbol	Unit	UF1VL	UF3VL	UF4VL
Peak Wavelength	(*) λ <sub>p</sub>	nm	310±5	325±5	340±5
Radiant Flux	(**) P <sub>o</sub>	mW	1.2	1.5	1.3
Full Width at Half Maximum	∠λ	nm	15	11	9
Forward Voltage	V <sub>F</sub>	V	5	4.5	4.0
Viewing Half Angle	2θ <sub>1/2</sub>	deg.	24	24	24

(\*)Peak Wavelength Measurement tolerance is ±3nm.

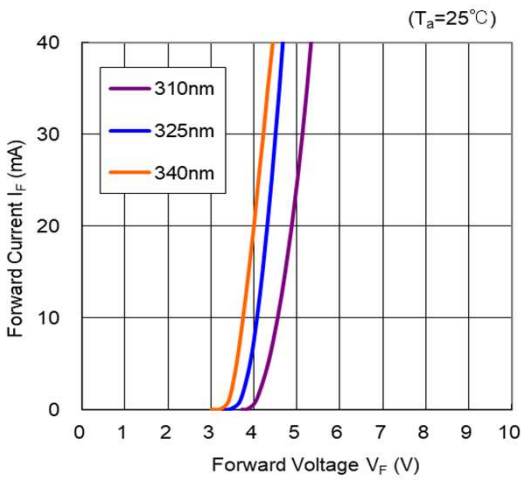
(\*\*)Radiant Flux Measurement tolerance is ±10%.

Specification and dimension are subject to change for improvement without notice.

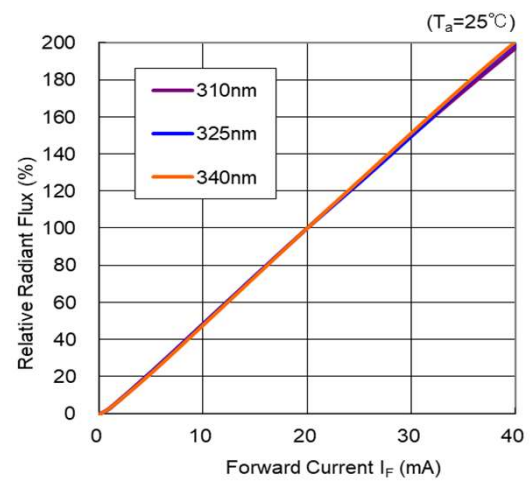
**Absolute Maximum Ratings**

Item	Symbol	Unit	Ambient Temperature	
Forward Current	I <sub>Fmax</sub>	mA	40	T <sub>a</sub> =25°C
Operating Temperature	T <sub>OPR</sub>	°C	-30 ~ +80	
Storage Temperature	T <sub>STG</sub>	°C	-40 ~ +100	
Soldering Temperature	T <sub>SOL</sub>	°C	350 (within 3sec)	Manual soldering process
			250 (within 5sec)	Flow soldering process

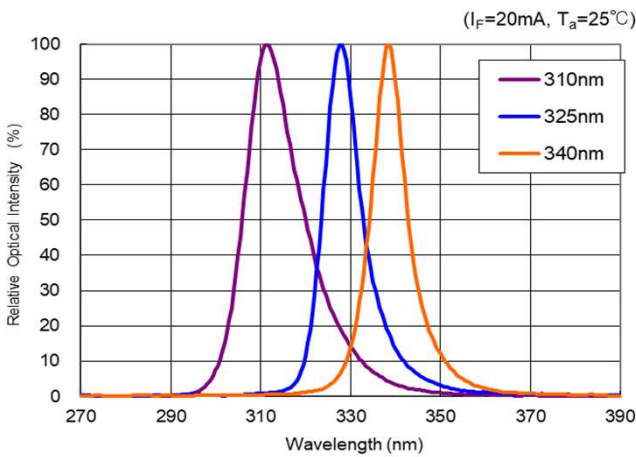
**Forward Voltage vs Forward Current**



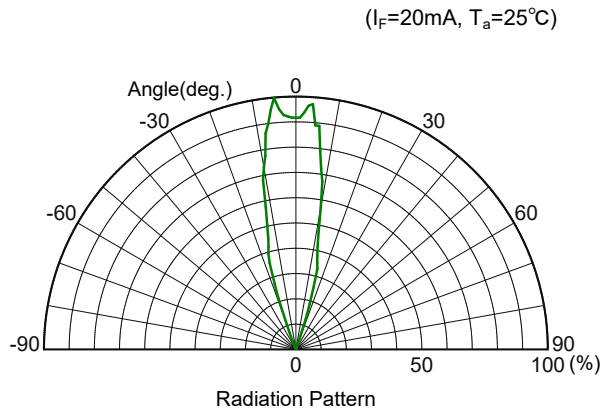
**Forward Current vs Radiant Flux**



**Spectrum**



**Radiation Pattern**



**WARNING**

- LEDs emit very strong UV radiation.
- Do not look at the LED light with the naked eye or irradiate the skin.  
UV radiation can harm your eyes and skin.
- To prevent UV radiation exposure, wear protective eyewear and protective equipment.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.