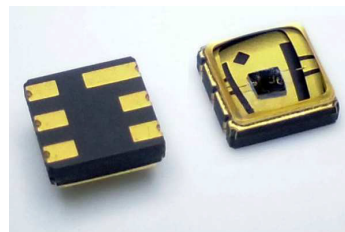
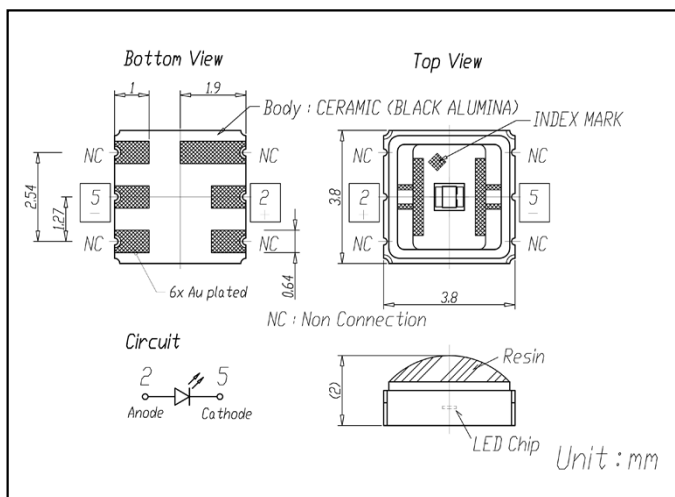


MODEL xFxVN-2D001 series

3.8x3.8mm SMD Dome Top Type

Mechanical Specifications and Materials (Unit:mm)



Product ID

265nm: DF7VN-2D001
 280nm: DF8VN-2D001
 310nm: UF1VN-2D001
 325nm: UF3VN-2D001
 340nm: UF4VN-2D001

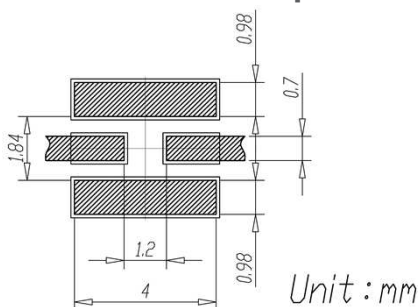
Typical Optical-Electrical Characteristics ($I_F=20\text{mA}$, $T_a=25^\circ\text{C}$)

Item	Symbol	Unit	DF7VN	DF8VN	UF1VN	UF3VN	UF4VN
Peak Wavelength	λ_p	nm	265±5	280±10	310±5	325±5	340±5
Radiant Flux	P_o	mW	1.0	2.2	2.6	2.5	2.1
Full Width at Half Maximum	$\Delta\lambda$	nm	10	12	9	8	8
Forward voltage	V_F	V	8.2	6.4	5.8	4.5	4.1
Viewing Half Angle	$2\theta_{1/2}$	deg.	142	142	142	142	142

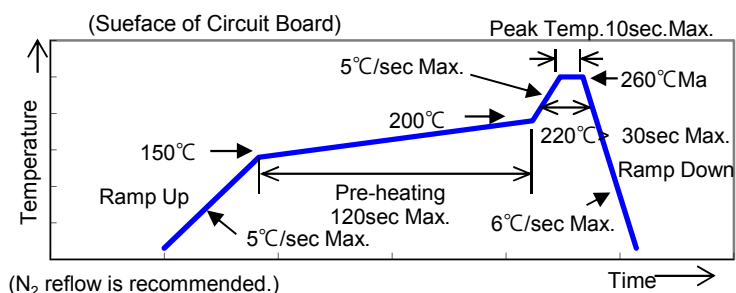
Absolute Maximum Ratings

Item	Symbol	Unit	Ambient Temperature	
Forward Current	I_{Fmax}	mA	40	$T_a=25^\circ\text{C}$
Operating Temperature	T_{OPR}	$^\circ\text{C}$	-20 ~ +80	
Storage Temperature	T_{STG}	$^\circ\text{C}$	-30 ~ +85	
Soldering Temperature	T_{SOL}	$^\circ\text{C}$	260	(within 10sec)

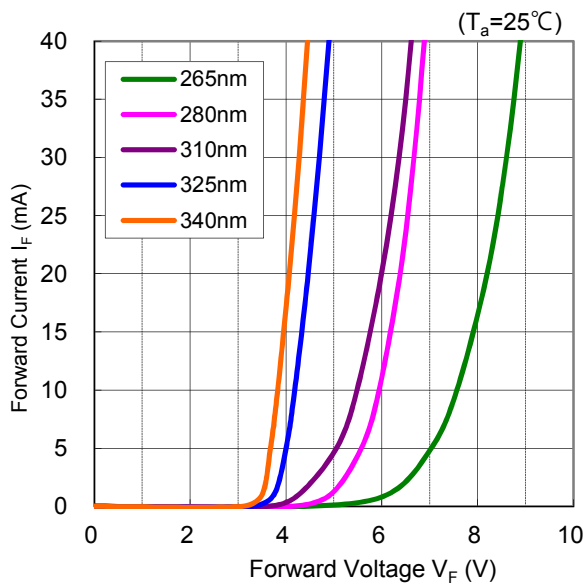
Recommended solder pad



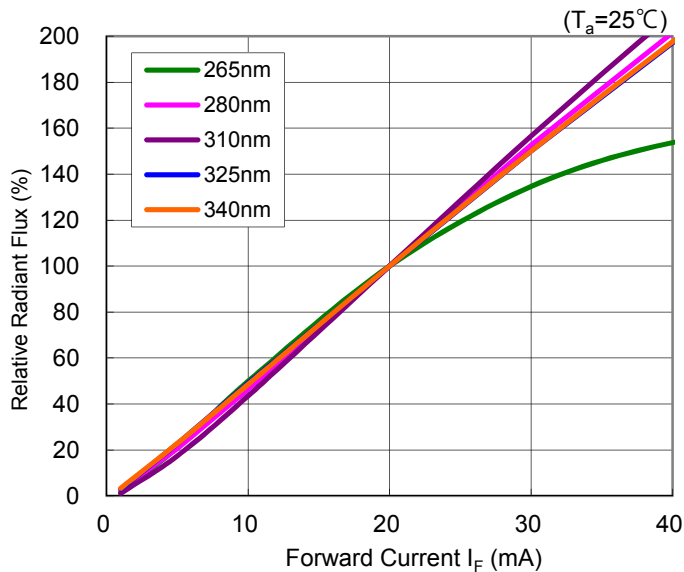
Reflow soldering profile



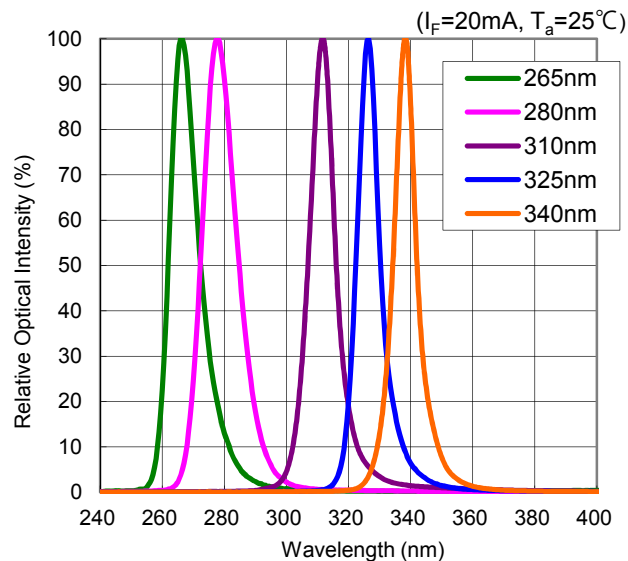
Forward Current vs Forward Voltage



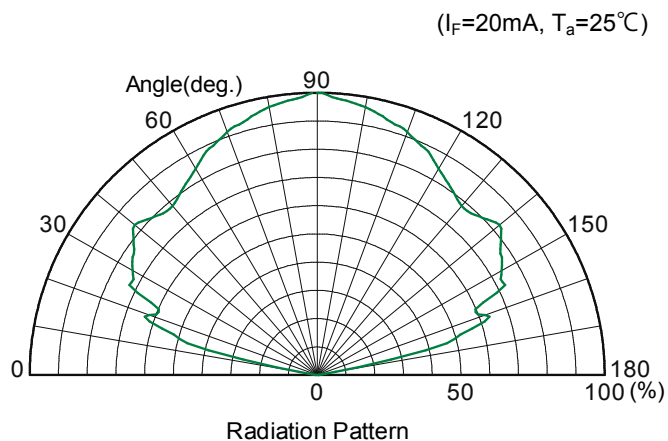
Forward Current vs Radiant Flux



Spectrum



Radiation Pattern

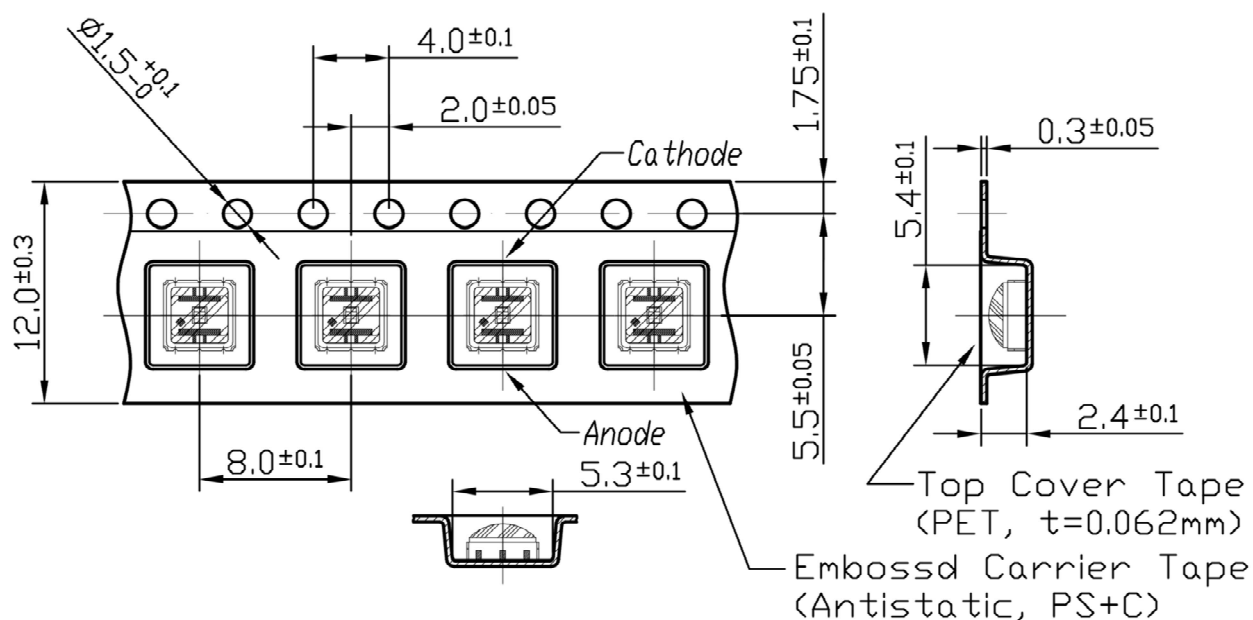


CAUTION

- LEDs emit very strong UV radiation.
- Don't look directly into the LED light. UV radiation can harm your eyes.
- To prevent even inadequate exposure, wear protective eyewear.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.
- Specification and dimension are subject to change for improvement without notice.

Packing of Products

Taping Outline Dimensions



Issued November 2014.

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

Lead (Pb) Free Product – RoHS Compliant