

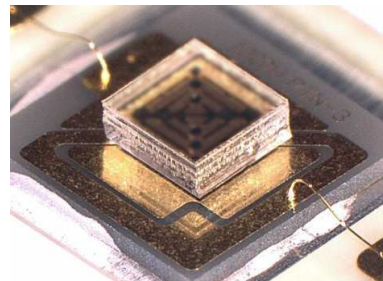
Tentative

MODEL DF8X series

280nm Naked Bare Die (Flip chip form)

Available Format

-  3535 SMD
-  Bare die on AlN submount
-  Naked Bare die (Au stud ball bumping process recommendable)



View of "Die on AlN Submount"

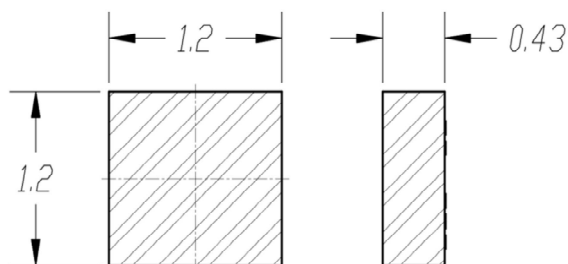
Typical Optical-Electrical Characteristics ($I_F=350\text{mA}$, $T_a=25^\circ\text{C}$)

Item	Symbol	Unit	Min	Typ	Max
Peak Wavelength	λ_p	nm	270	280	290
Radiant Flux	P_o	mW	-	35	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	12	-
Forward voltage	V_F	V	-	6.0	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	143	-

Part Number and Chip Outlines (Unit:mm)

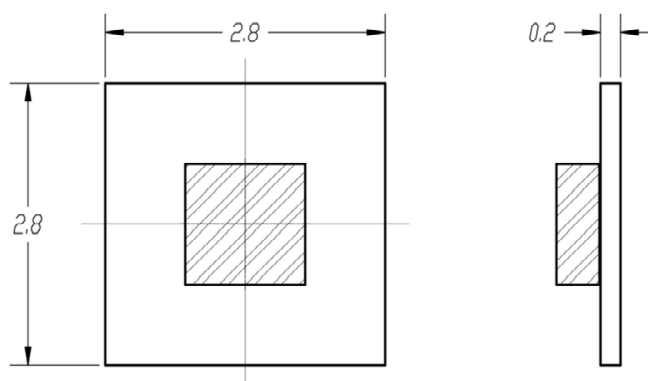
DF8XC-00001

With no submount



DF8XS-10001

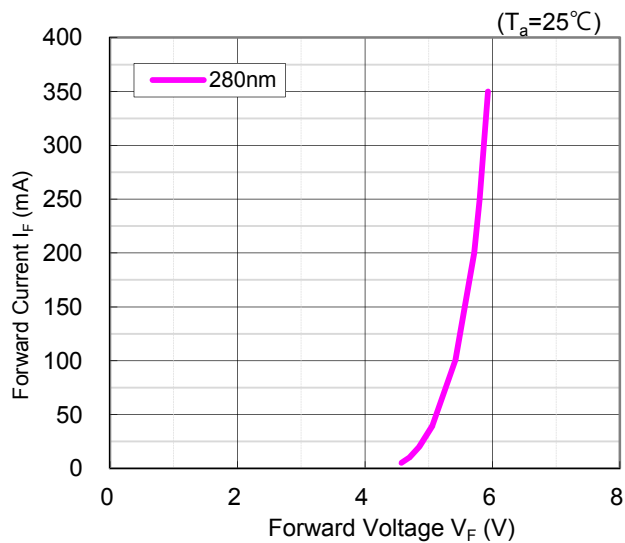
With AlN submount



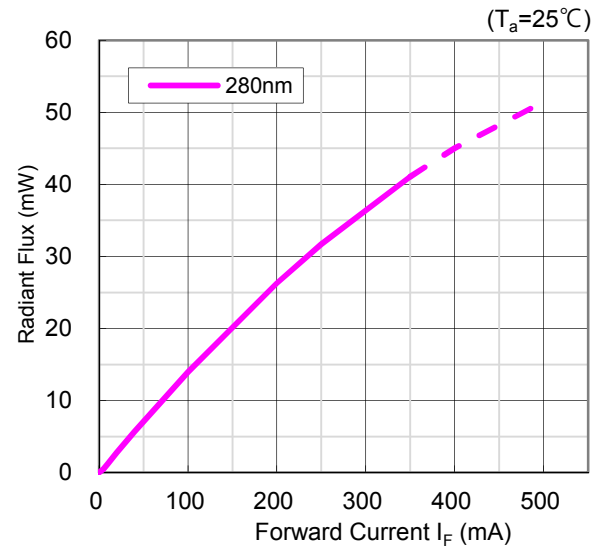
CAUTION

- 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.

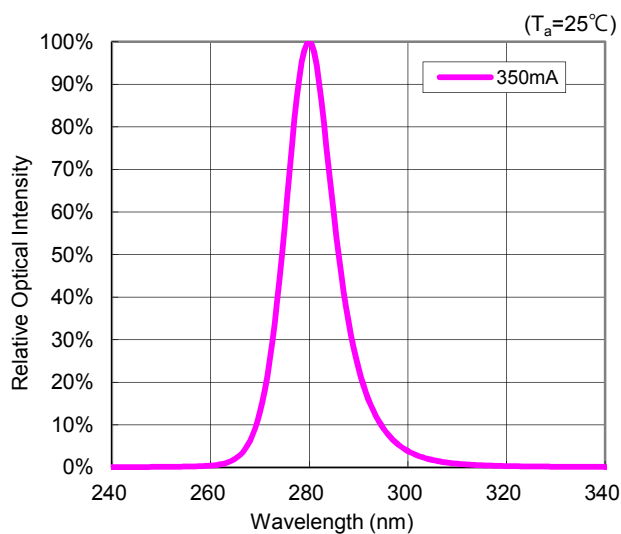
Forward Current vs Forward Voltage



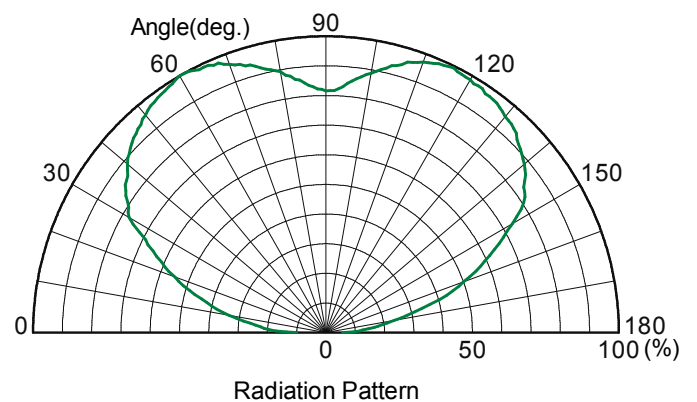
Forward Current vs Radiant Flux



Spectrum



Radiation Pattern



Issued February 2016. SPEC information (included design, dimension, and typical data) would be changed without prior notice.