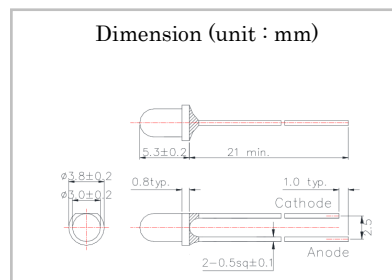


**φ 3 MOLD type
A405R-33**

Ultra Violet
λp405nm LED

◆ Die & Package

Item	Value
Peak wavelength (typ)	405 nm
Die Materials	InGaN
Package	UV resin



◆ Absolute Maximum Ratings

Ta = 25°C

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	200	mW
Forward Current (DC)	I _F	50	mA
Reverse Voltage (DC)	V _R	5	V
Operating Temperature	T _{opr}	-20 ~ +100	°C
Storage Temperature	T _{stg}	-20 ~ +100	°C
Soldering Temperature*	T _{sol}	265	°C

*Within 3sec at 265°C

◆ Electro-optical Characteristics

Ta = 25°C

Parameter	Symbol		Value	Unit	
Forward Voltage	V _F	Typ	3.3	V	I _F = 20mA
		Max	4.0		
Total Radiated Power	P _O	Typ	18.0	mW	I _F = 20mA
Peak Wavelength	λ _p	Min	400	nm	I _F = 20mA
		Max	410		
Half width	Δλ	Typ	19	nm	I _F = 20mA
Viewing Half Angle	θ 1/2	Typ	±8	nm	I _F = 20mA