

The OHU405UV is a InGaN UV LED mounted in durable, hermetically sealed TO-18 metal can package.

APPLICATIONS

- Outdoor LED video Displays
- Paper Money Discriminate



ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25℃)

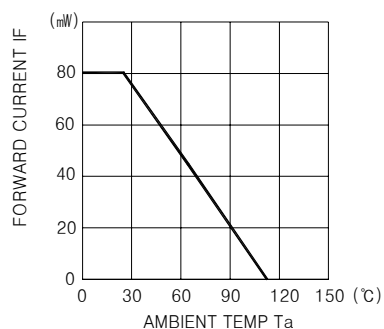
Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Forward Current	Vf	$I_F = 20\text{mA}$		3.7	4	V
Radiant Flux	Po	$I_F = 20\text{mA}$	10	12		mW
Reverse Current	IR	$V_r = 5\text{V}$		10		μA
Peak Wavelength	λ_p	$I_F = 20\text{mA}$	400	405	410	nm
Half Width	λ_d	$I_F = 20\text{mA}$		26		nm
Half Angle	$\Delta\theta$			± 36		deg
Optical Rise Time	τ			20		ns

MAXIMUM RATINGS

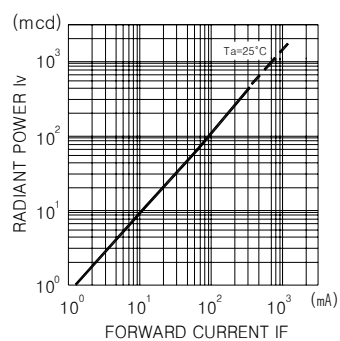
(Ta=25℃)

Item	Rating	Unit
DC Forward Current	30	mA
Peak Forward Current(1/10 duty cycle @ 1kHz)	100	mA
LED Junction Temperature	125	℃
Reverse Voltage	5	V
Operating Temperature Range	-20 ~ +110	℃
Storage Temperature Range	-30 ~ +120	℃

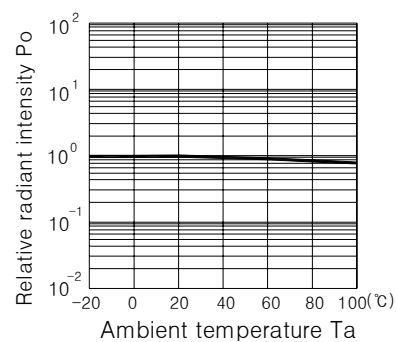
■ FORWARD CURRENT Vs AMBIENT TEMP I_F/T_a



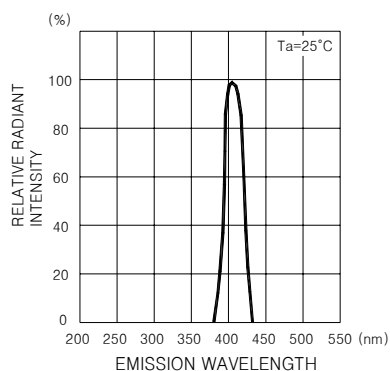
■ RADIANT POWER Vs FORWARD CURRENT I_v/I_F



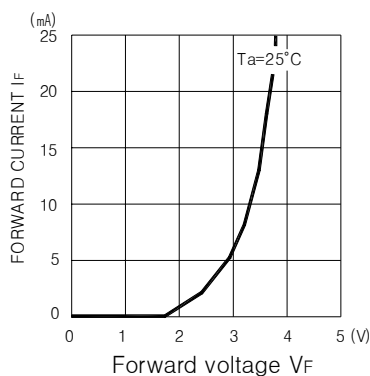
■ RELATIVE RADIANT POWER As AMBIENT TEMP I_v/T_a



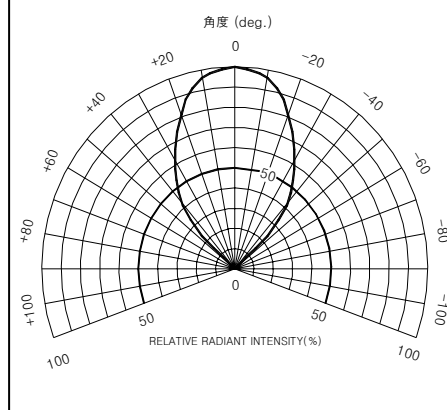
■ RELATIVE RADIANT INTENSITY Vs EMISSION WAVELENGTH



■ FORWARD CURRENT Vs FORWARD VOLTAGE I_F/V_F



■ Radiant Pattern



■ DIMENSIONS (Unit:mm)

