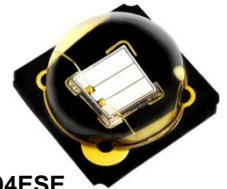




Stanley Electric's UVA-LED

High output / High heat dissipation

Excellent low thermal resistance enables high reliability and longer lifetime



NDU1104ESE

◆ Applications

Curing <p>Resin curing - Coating agents - Sealants - Adhesives - Resin molding</p>			Printing (ink curing) UV printers <p>Posters, billboards Product packaging</p>			
Photocatalysis (deodorization) <p>Car air conditioning Toilets Air cleaners</p>		Fluorescence <p>Bill validation</p>		Inspection lights <p>Image inspection light sources Water quality sensors, oil sensors</p>		Insect traps <p>Insect attracting lamps</p>

◆ Features

- Offers clear advantages over UV lamps: compact, mercury-free, low power consumption, low heat generation, instant ON/OFF switching
- Long lifetime: 10,000 hrs (L70)
- Wavelength variation: 365 nm / 385 nm / 395 nm / 405 nm

◆ Specifications



Part name		NDU1104ESE series				Units
Wavelength	λ_p	365	385	395	405	nm
Light output	P_o	950	1,100	1,100	1,100	mW
Forward voltage	V_F	3.6	3.4	3.4	3.4	V
Half intensity angle	$2\theta_{1/2}$	130				deg.
Thermal resistance	$R_{th(j-s)}$ ※	3.0				°C/W
Max. forward current	I_F	700				mA
Junction temperature	T_j	90				°C
Operating temperature	T_{opr}	-10 to +85				°C
Storage temperature	T_{stg}	-40 to +100				°C
Size	L×W×H	3.5 × 3.5 × 2.05				mm

Conditions : $T_a=25^\circ\text{C}$ $I_F=500\text{mA}$ ※Junction-Soldering point