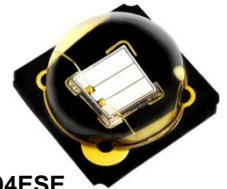




# Stanley Electric's UVA-LED

## High output / High heat dissipation

Excellent low thermal resistance enables high reliability and longer lifetime



NDU1104ESE

### ◆ Applications

<b>Curing</b> <p>Resin curing - Coating agents - Sealants - Adhesives - Resin molding</p>			<b>Printing (ink curing)</b> <b>UV printers</b> <p>Posters, billboards Product packaging Magazines Product labels</p>			
<b>Photocatalysis (deodorization)</b> <p>Car air conditioning Toilets Air cleaners</p>		<b>Fluorescence</b> <p>Bill validation</p>		<b>Inspection lights</b> <p>Image inspection light sources Water quality sensors, oil sensors</p>		<b>Insect traps</b> <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	$\lambda_p$	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	$R_{th(j-s)} \times$	3.0				$^{\circ}C/W$
Max. forward current	$I_F$	700				mA
Junction temperature	$T_j$	90				$^{\circ}C$
Operating temperature	$T_{opr}$	-10 to +85				$^{\circ}C$
Storage temperature	$T_{stg}$	-40 to +100				$^{\circ}C$
Size	$L \times W \times H$	3.5 × 3.5 × 2.05				mm

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