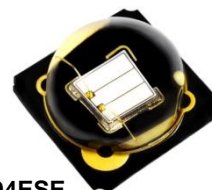




Stanley Electric's UVA-LED

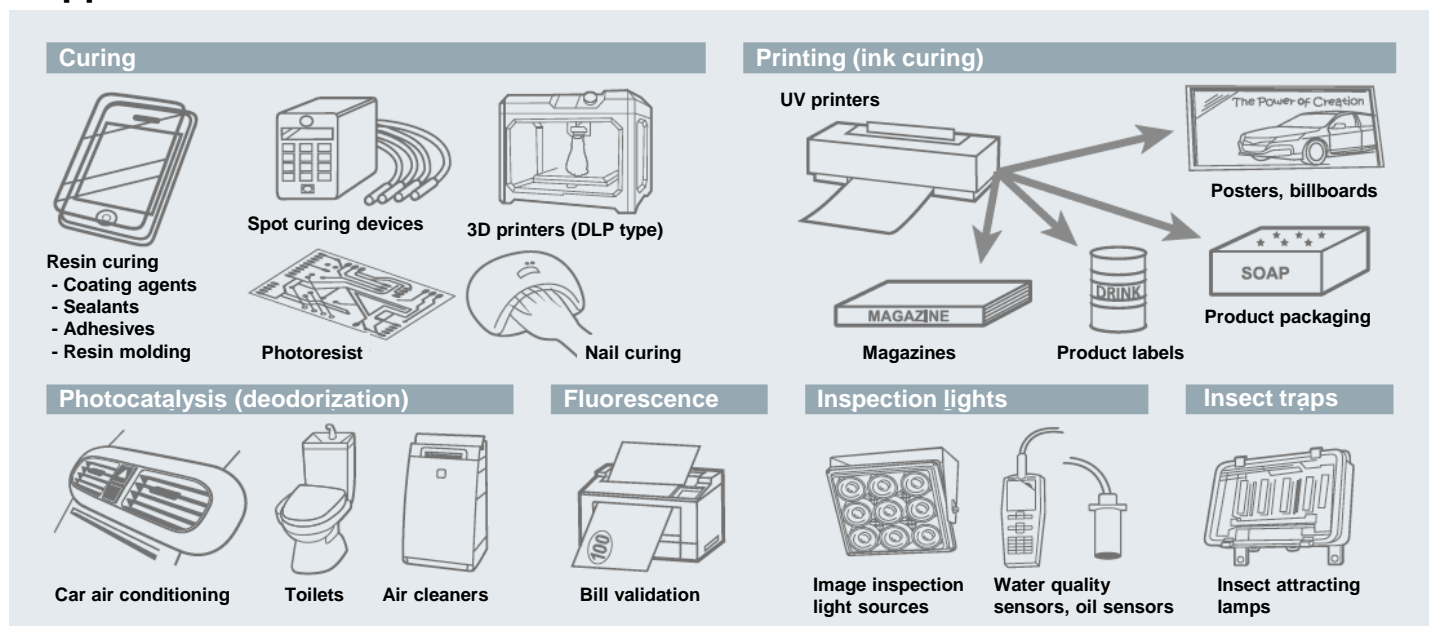
High output / High heat dissipation

Excellent low thermal resistance enables high reliability and longer lifetime



NDU1104ESE

Applications



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 | $R_{th(j-s)} \times$ | 3.0 | | | | $^{\circ}\text{C}/\text{W}$ |
| Max. forward current | I_F | 700 | | | | mA |
| Junction temperature | T_j | 90 | | | | $^{\circ}\text{C}$ |
| Operating temperature | T_{opr} | -10 to +85 | | | | $^{\circ}\text{C}$ |
| Storage temperature | T_{stg} | -40 to +100 | | | | $^{\circ}\text{C}$ |
| Size | $L \times W \times H$ | $3.5 \times 3.5 \times 2.05$ | | | | mm |

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