

SPECIFICATIONS

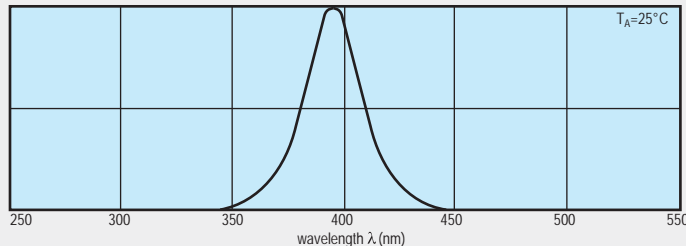
SpotCure-P UV LED Curing System

SpotCure-P is truly a unique instrument that performs two useful functions for almost the price of only one! The outstanding dual capability provides high intensity adhesive spot curing as well as 6000°K brilliant white light for general inspection. Battery operated in design, high density NiMH super-cells keep the SpotCure-P operating for many weeks without any attention. A low battery indicator activates about one week before recharging is needed. The 395nm wavelength output is specifically matched to Loctite® 4305 or 4304 adhesive to provide tack-free curing in less than 5 seconds. The SpotCure-P also effectively cures most acrylic based adhesives as well. Optional probe is available to provide 470nm curing for any visible light cured materials.

- 395nm LED UV-A Spot Curing AND White Light Inspection
- Battery Operated with Hands-Free Ambient Light Activation
- NiMH Super Cells Avoid Frequent Recharging
- Optional Curing Probe for 470nm Wavelength Materials
- Automatic Timed Operation in Curing Mode
- Low Battery Warning Indicator
- 4mm Curved and 12mm Straight Curing Probes
- Easy Switch from Curing to White Light Inspection
- UV-A Operation is Safer and Penetrates Thickness



RELATIVE INTENSITY vs. WAVELENGTH



ELECTRICAL / OPTICAL CHARACTERISTICS AT T_A=25°C

Symbol	Parameter	Device	Typ.	Min.	Units	Test Conditions
λ _{peak}	Peak Wavelength	SpotCure UV	400		nm	I _F =360ma
λ _D	Dominate Wavelength	SpotCure UV	395		nm	I _F =360ma
Δλ _{1/2}	Spectral Line 1/2 Width	SpotCure UV	26		nm	I _F =360ma
V _F	Forward Voltage	SpotCure UV	3.8	4.2	V	I _F =360ma
ΣD	LED Dice (InGaN)	SpotCure UV	8p/3 1p/5		mm	
Φ _E	Intensity	SpotCure UV	900	600	mW	2θ1/2 @ 34°

MECHANICAL / DIMENSIONAL CHARACTERISTICS

Characteristic	Definition	Measurement	Units
Overall Package Dimensions	Length x Width x Height	5.5 (14) x 4.5 (11.4) x 3.3 (8.4)	Inches (Centimeters)
Length of Probe Cable	Connector End to Console	4.0 (1.22)	Feet (Meters)
Overall Package Weight	With Both Probes Stored	1.0 (.454)	Pounds (Kilos)
Battery Life on Standby	Standby Current 200ua.	7650	Hours
Battery Charge Cycles	5% Degradation	1000 @ 100ma.	Cycles from 80%
Physical Battery Configuration	Type and Connection	NiCd (7) in Series	Size A

CAUTION

- The UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief periods due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in this product may be viewed directly, please affix a caution label to that effect.

Avoid direct eye exposure to UV light.
Keep out of reach of children



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