

SPECIFICATIONS

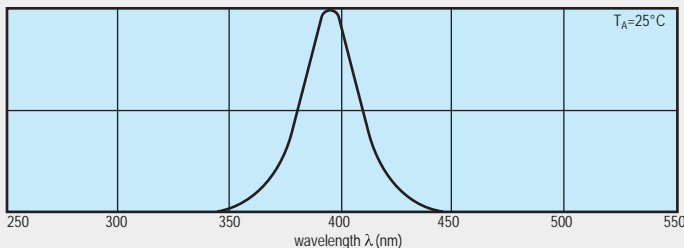
SpotCure-B2 LED Curing System

SpotCure-B is a stand-alone bench top curing light that is designed to be conveniently used like a soldering station. Activation is "hands-free" and is accomplished by simply picking up the probe. When removed from the console, the curing light will automatically illuminate after a 1.5 second delay. The UV LED array will continue to operate until it is replaced into the holder on the console. During the ON operating cycle, an audible signal will sound indicating 10 second increments. If the probe is disconnected from the cable, operation is terminated and the audible tone will be disabled. The much safer UV-A 395nm wavelength output is specifically matched to Loctite® 4305 and 4304 UV adhesive to provide tack-free curing in as little as 5 seconds.

- LED UV-A Adhesive Spot Curing
- UV-A Operation is Substantially Safer
- 395nm Wavelength Penetrates Thickness
- Optional Curing Probes for 375nm and 470nm Wavelength
- Automatic Timed Audible Indicator During Curing
- Large 12mm Diameter Stainless Steel Probe
- Automatic Hands-Free Infrared Sensor Activation
- Convenient "Soldering Station" Design
- Simple Design and Operation is Highly Cost Effective



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	395		nm	I _F =360ma
λ_D	Dominate Wavelength	SpotCure UV	395		nm	I _F =360ma
$\Delta\lambda_{1/2}$	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	5.6 (14) x 3.3 (8.4) x 1.75 (4.5)	in (cm)
Length of Probe Cable	Connector End to Console	4.0 (1.22)	ft (m)
Overall Package Weight	With Probe Stored	0.5 (.23)	lbs (kg)
Probe Dimensions	Diameter x Length	20 (5) dia x 5.0 (12.7)	in (cm)
Power Input	Wall Transformer	9.0, 500	VAC, ma
Curing Cycle Activation	Infrared Interruption	4.6, 950	mW, nm



⚠ 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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