

# SPECIFICATIONS

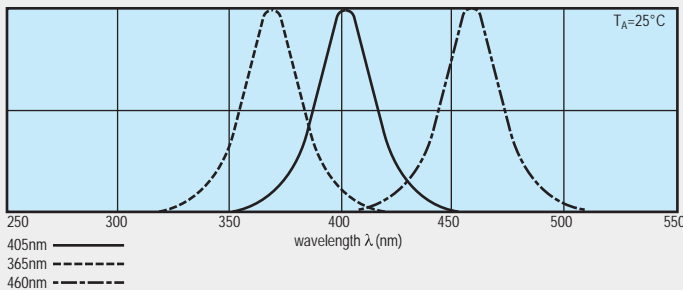
## SpotCure-B6 High Intensity LED Curing System 405nm Standard, 365nm and 460nm Optional

SpotCure-B6 is a stand-alone bench top high output UV 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 emitter will continue to operate for the pre-selected time period or until it is replaced into the holder on the console. Selectable timing cycles are 10, 20, 30, 40, 50 and 60 seconds. An integral external switch mode permits the use of a foot control or other equipment control devices to determine curing cycles. The much safer UV-A 405nm 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 Ultra High Intensity Adhesive Spot Curing
- UV-A Operation is Substantially Safer
- 405nm Wavelength Penetrates Thickness
- Optional Curing Probes for 365nm and 460nm Wavelength
- Automatic Timed Audible Curing Cycle
- Large 12mm Diameter Stainless Steel Probe
- Automatic Hands-Free Infrared Sensor Activation
- Convenient "Soldering Station" Design
- Integral Connection for PLC Equipment or Foot Control



RELATIVE INTENSITY vs. WAVELENGTH



ELECTRICAL / OPTICAL CHARACTERISTICS AT  $T_A=25^\circ\text{C}$

Symbol	Parameter	Device	Typ.	Min.	Units	Test Conditions
$\lambda_{\text{peak}}$	Peak Wavelength	SpotCure-B6	405/365/460		nm	$I_F=600\text{ma}$
$\lambda_D$	Dominate Wavelength	SpotCure-B6	405/365/460		nm	$I_F=600\text{ma}$
$\Delta\lambda_{1/2}$	Spectral Line 1/2 Width	SpotCure-B6	26		nm	$I_F=600\text{ma}$
$V_F$	Forward Voltage	SpotCure-B6	4.0	3.9	V	$I_F=600\text{ma}$
$\Sigma D$	LED Dice (InGaN)	SpotCure-B6	1mm x 1mm		chips	
$\Phi_E$	Intensity (405nm)	SpotCure-B6	800	700	mW	2 1/2 @ 60°
$\Phi_E$	Intensity (365nm)	SpotCure-B6	250	225	mW	2 1/2 @ 60°
$\Phi_E$	Intensity (460nm)	SpotCure-B6	800	700	mW	2 1/2 @ 60°

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	0.7 (.32)	lbs (kg)
Probe Dimensions	Diameter x Length	20 (5) dia x 5.0 (12.7)	in (cm)
Power Input	Wall Transformer	24.0, 500	VDC, 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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