

SPECIFICATIONS

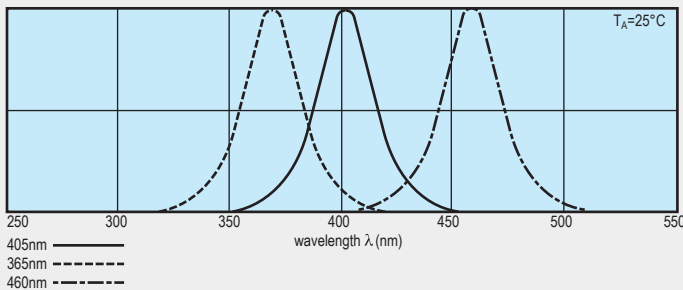
SpotCure-G Ultra High Intensity LED Curing System 405nm Standard, 365nm and 460nm Optional

SpotCure-G is a stand-alone bench top or portable high output UV curing light that is designed to be conveniently used like a soldering gun. Activation is one-handed and is accomplished by simply depressing the trigger switch. When removed from the base, the curing gun can be used in a remote location using its integral battery operation. The UV LED emitter will operate for the pre-selected time period or until the trigger switch is depressed again. Selectable timing cycles are 1, 10, 20, and 40 seconds. Inexpensive optional curing probes of a different wavelength and optical configuration are easily replaced. 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 Cycle Activation By Depressing Trigger Switch
- Convenient Portable "Soldering Gun" Design
- Integral Charger and Base for Unit Recharge and Storage



RELATIVE INTENSITY vs. WAVELENGTH




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

Symbol	Parameter	Device	Typ.	Min.	Units	Test Conditions
λ_{peak}	Peak Wavelength	SpotCure-B6	405/365/460		nm	$I_F=600\text{ma}$
λ_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	$I_F=600\text{ma}$
ΣD	LED Dice (InGaN)	SpotCure-B6	1mm x 1mm		chips	
Φ_E	Intensity (405nm)	SpotCure-B6	800	700	mW	2 1/2 @ 60°
Φ_E	Intensity (365nm)	SpotCure-B6	250	225	mW	2 1/2 @ 60°
Φ_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	12.0, 200	VDC, ma
Curing Cycle Activation	Trigger Switch	1, 10, 20, 40	seconds



⚠ 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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