

Preliminary

Ultraviolet Emitter

Product No: MTSM3400HSD-UV

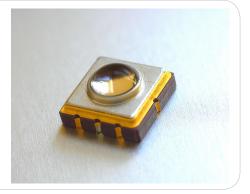
Peak Emission Wavelength: 340nm

The MTSM3400HSD-UV is a powerful, small-footprint UV-A emitting device. A peak wavelength of 340nm LED creates new feasibility for a variety of applications. This UV Emitter is in a Seam Welded Surface Mount package for applications requiring high output power and efficiency.

FEATURES

- > 5mm x 5mm Seam Welded Surface Mount Package
- > High Reliability
- > High Output Power
- > Hermetically Sealed Package

- APPLICATIONS
- > UV Curing
- > Security, Banknote
- > Medical/Biomedical
- > Lithography



Absolute Maximum Ratings (Ta=25°C)

everse VoltageVRTBDVover DissipationPDTBDmWoperating TemperatureTopr-20 ~ +85°C	EMS	SYMBOL	RATINGS	UNIT	lead-free
Power DissipationPDTBDmWOperating TemperatureTopr-20 ~ +85°C	Forward Current	IF	100	mA	
Operating Temperature Topr -20 ~ +85 °C	Reverse Voltage	VR	TBD	V	
	Power Dissipation	PD	TBD	mW	
Storage Temperature Tstg -30 ~ +100 °C	Operating Temperature	Topr	-20 ~ +85	°C	
	Storage Temperature	Tstg	-30 ~ +100	°C	

Note: Also available on PCB - Starboard MTSM3400HSD-UVS (See Page 3)

Electrical & Optical Characteristics (Ta = 25°C)

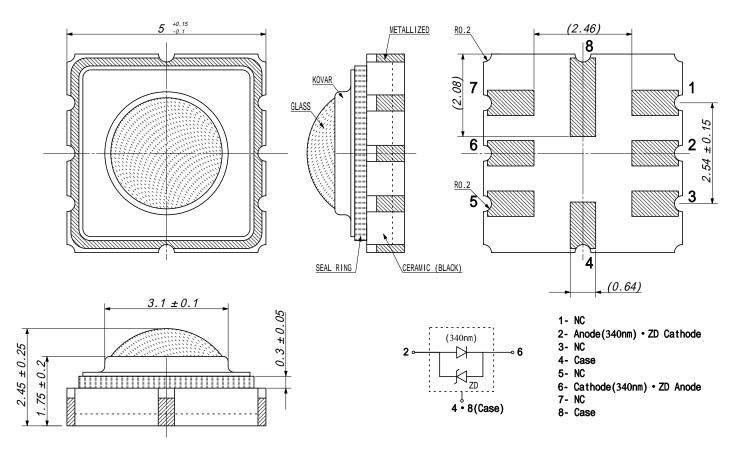
ITEMS	SYMBOL	CONDITIONS	MIN.	ТҮР	MAX.	UNIT
Forward Voltage	VF	IF=20mA		4.35		\vee
Peak Wavelength	λρ	IF=20mA		340		nm
Radiant Flux	PO	IF=20mA		1.8		mW
FWHM	Δλ	IF=20mA		13		nm
View Angle	θ	IF=20mA		35		deg

2024-01-18

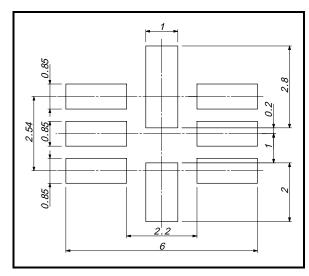


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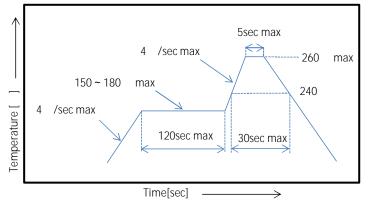
Package Dimensions



Recommended Soldering Pattern [mm]



Reflow Soldering Temperature-Profile [Pb free Soldering] (Recommend condition)

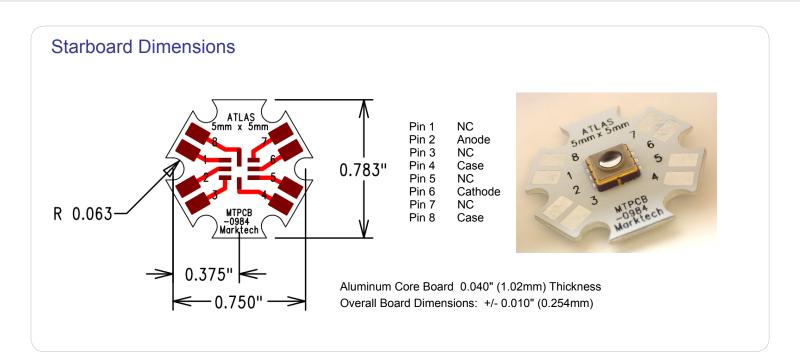


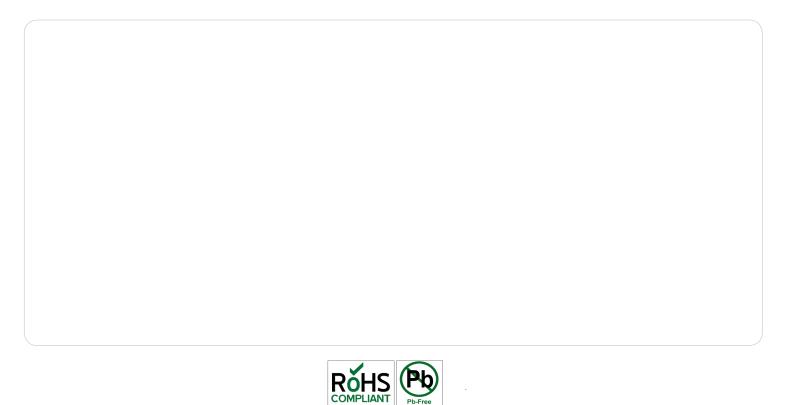
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We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

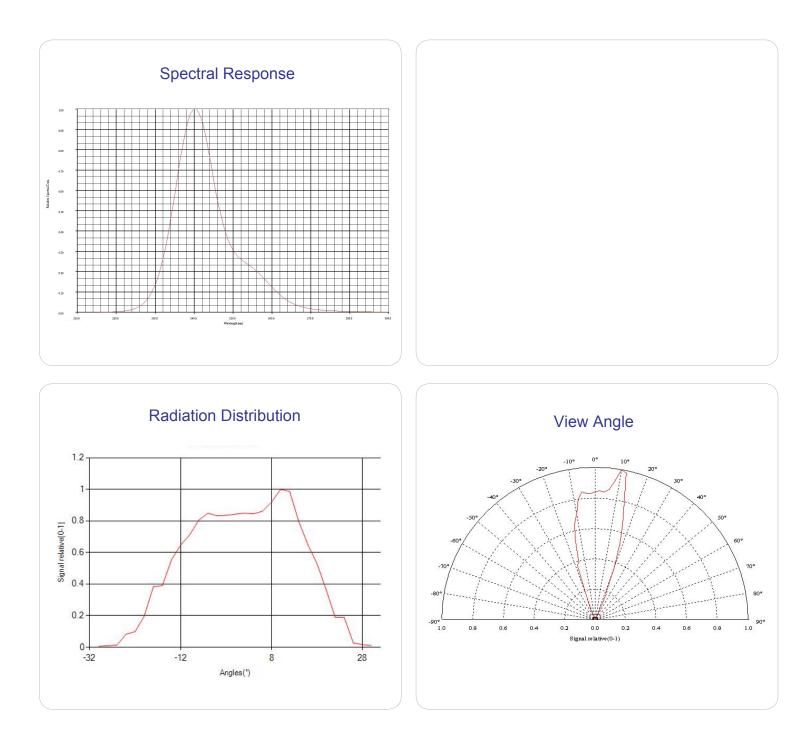
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3

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