

Preliminary

Ultraviolet Emitter

Product No: MTSM2350HSF-UV

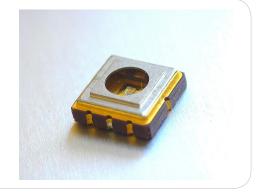
Peak Emission Wavelength: 235nm

The MTSM2350HSF-UV is a powerful far UV-C emitting device. A peak wavelength of 235nm 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 > UV Curing
- > Hermetically Sealed Package
- > High Output Power
- > Silanna Safe

- APPLICATIONS
- > Air and Water Disinfection
- > DNA Protein Analysis
- > Gas Sensing



Silanna 🛛 Silanna Safe''' 🚯 🌙

Absolute Maximum Ratings (Ta=25°C)

	0 (/		UV UV	lead free RoHS
ITEMS	SYMBOL	RATINGS	UNIT		lead-free KONS
Forward Current	IF	100	mA		
Reverse Voltage	VR	TBD	V		
Power Dissipation	PD	800	mW		
Operating Temperature	Topr	TBD	°C		
Storage Temperature	Tstg	-40 ~ +100	°C		

Note: Also available on PCB - Starboard MTSM2350HSF-UV2 (See Page 3)

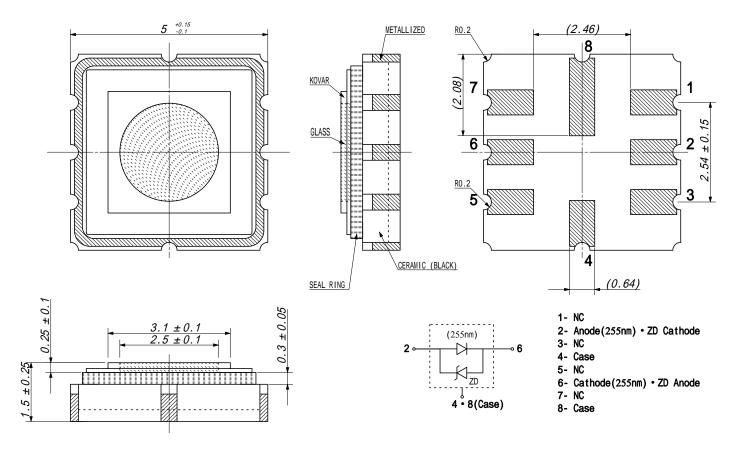
Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN.	ТҮР	MAX.	UNIT
Forward Voltage	VF	IF=20mA		5.8		V
Peak Wavelength	λρ	IF=20mA		237		nm
Radiant Flux	PO	IF=20mA		350		uW
FWHM	Δλ	IF=20mA		10		nm
View Angle	θ	IF=20mA		120		deg

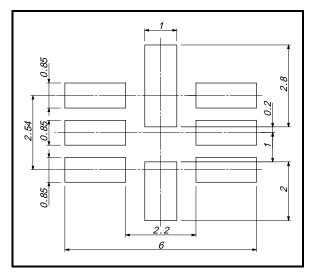


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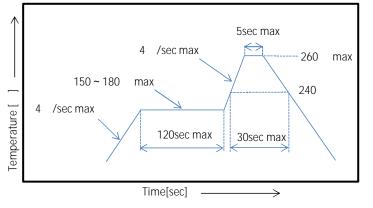
Package Dimensions



Recommended Soldering Pattern [mm]



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

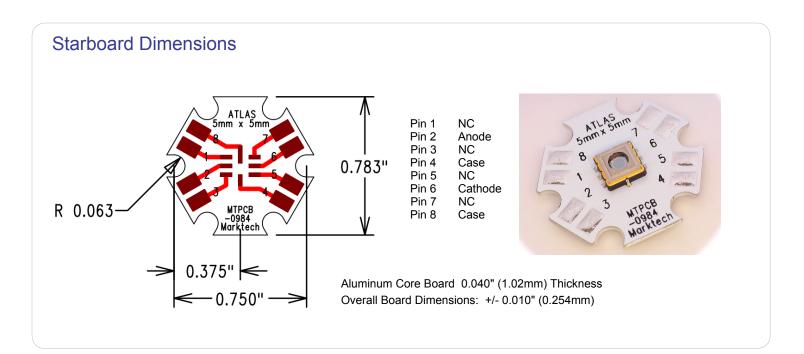


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We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

The information contained herein is subject to change without notice.

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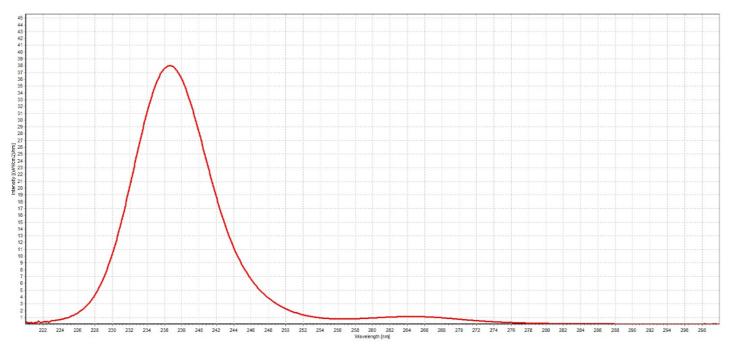
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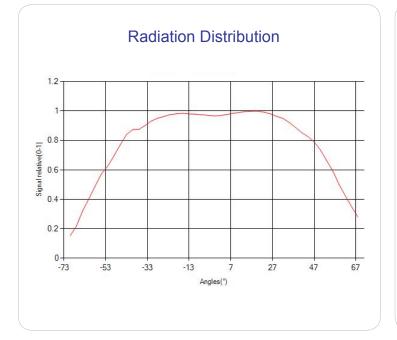
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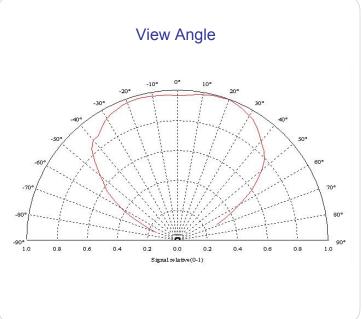


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Spectral Response







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