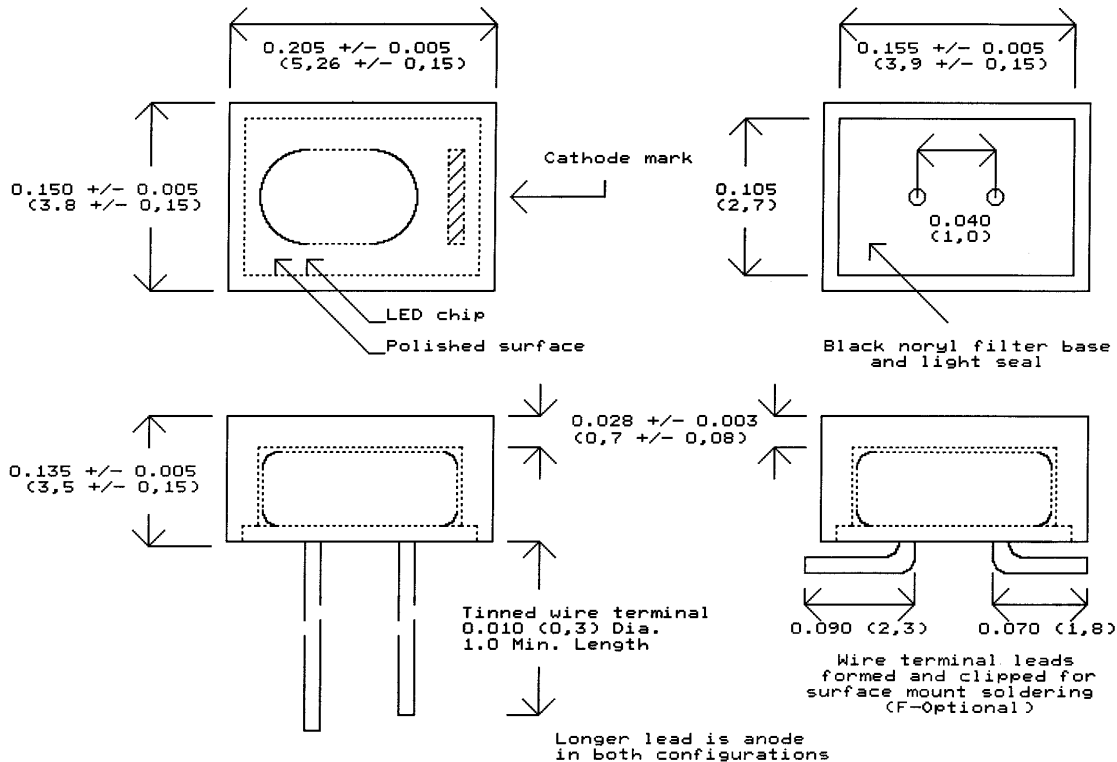




## NVIS Compatible NSSW100BT Wire Terminal Surface Mount LED

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Dimensions in inches (mm).

Note: For leads formed and clipped per drawing *F-option* add suffix "F" to part number: L-65196-NSSW-001-F

### MAIN FEATURES

- Display Compatibility Per Mil-L-85762A and MIL-STD-3009
- 100% encapsulation eliminates unfiltered stray light
- Flexible wire terminal leads offer a variety of installation options
- Wide viewing angle
- LCD's, panels, switches, pushbuttons and other backlit displays

Part Number	Color	Surface Finish	Typical MSCP@20mA	FILTER TYPE PER TABLE A
L-65196-NSSW-001	NVIS Green A	Polished	0.030	65196
L-65197-NSSW-001	NVIS Green B	Polished	0.030	65197

# Lumitron Aerospace Lighting Components

Subminiature Lamps - LEDs - Mil-Spec Lamps - NVIS Lamps - NVIS Filters - Mil-Spec Coatings - Test & Measurement



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## NVIS Compatible NSSW100BT Wire Terminal Surface Mount LED

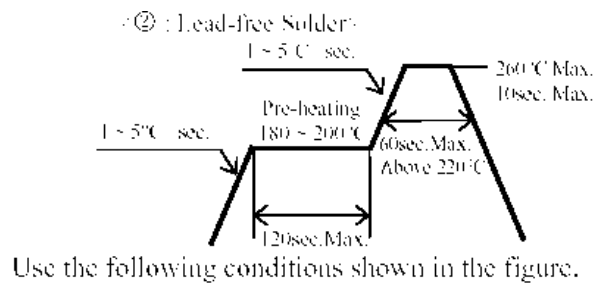
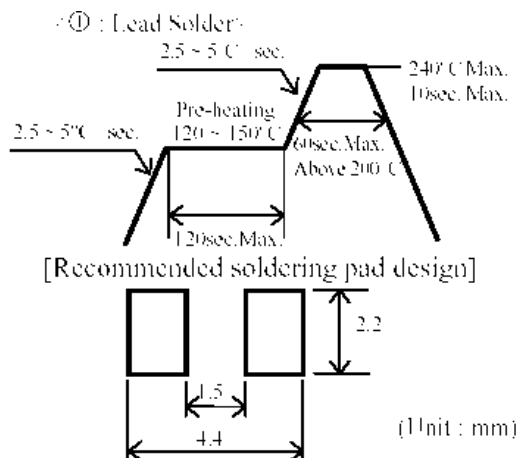
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Initial Electrical/Optical Characteristics at 25°C ambient (No Filter)

Part No.	Chip		Lens Color	Wave Length (nm)	Absolute Maximum Ratings			Electro-Optical Characteristics					View Angle (deg)		
	Raw Material	Emitted Color			nm	Pd mW	If mA	If (Peak)	Vf(V)			If		Iv (mcd)	
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	
NSSW100BT	InGaN	White	Water Clear	x - 0.31 y - 0.32	--		30	100		3.6	4.0	20	620	880	120

Absolute Maximum Ratings at 25°C Ambient

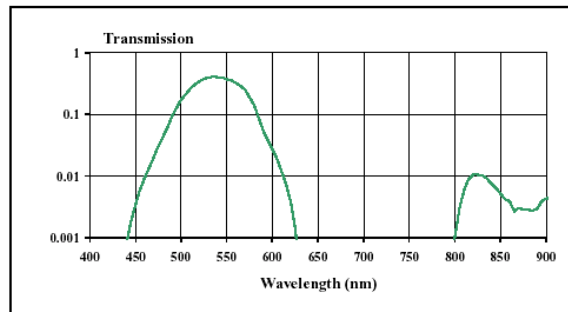
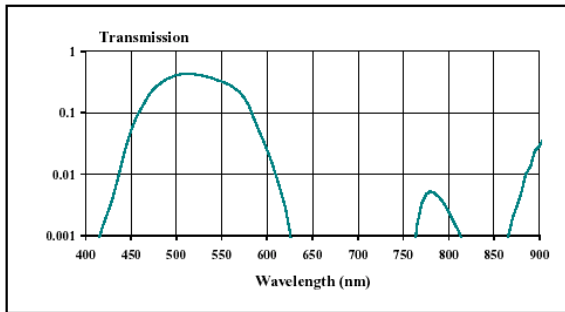
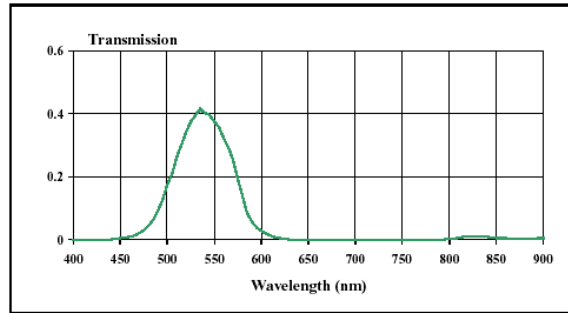
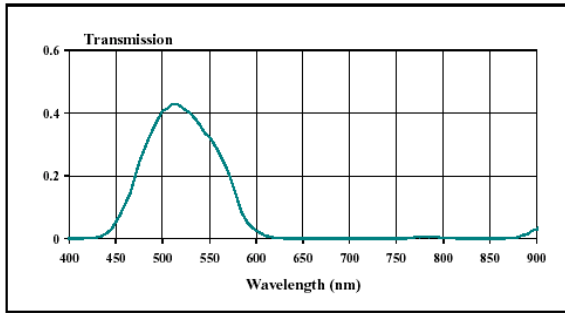
Reverse Voltage	5 Volts
Reverse Current (Vr=5V)	10µA
Operating Temperature Range	-30° C to + 85° C
Storage Temperature Range -	-40° C to + 100° C
Hand Soldering	350° C for 3 Seconds





## NVIS Compatible NSSW100BT Wire Terminal Surface Mount LED

Technical Specification Page 3 of 3



65196 (NVIS Green A)

65197 (NVIS Green B)

Applications – Primary lighting component per Table III of MIL-STD-3009 as well as components described by paragraphs 4.3.5.1 through 4.3.5.6

**TABLE A**

FILTER	TYPE	MATERIAL	SOURCE	TRANS.	COLOR (x,y)	COLOR (u',v')	(NR)a @ 0.1fL
<b>66196</b>	NVIS Green A	HTP*	NSCW100	12.5%	0.260, 0.530	0.120, 0.540	< 1.7e-10
<b>66197</b>	NVIS Green B	HTP*	NSCW100	13.0%	0.310, 0.640	0.120, 0.570	< 1.7e-10

\* High Temperature IR Suppressing Plastic