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Pynco introduces: NVIS Surface Mount LEDs

Pynco's new NVIS SMD LEDs are designed with a custom formulated filter lens that provides reliable MIL-SPEC performance in a durable compact package. These SMD LEDs meet the MIL-STD-3009 requirements for NVIS GREEN without the need for external filtering. The custom filter lens distributes the LED output across the 120° viewing angle. With exceptional quality and performance, Pynco NVIS SMD LEDs are uniquely designed for night vision applications that use video display backlighting, illuminated panels, indicators and keyboards.

Pynco NVIS filter products adhere to both MIL-L-85762 and MIL-STD-3009 military standards as well as important environmental standards. Combining the popular PLCC-2 3528 surface mount form factor with exceptional quality and optical performance, Pynco MIL-spec NVIS SMD filters are the industry standard for mission critical LED night vision lighting applications.

This product has been tested and certified to pass a variety of standards including:

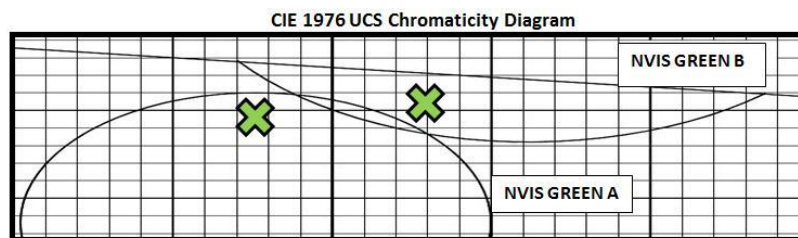
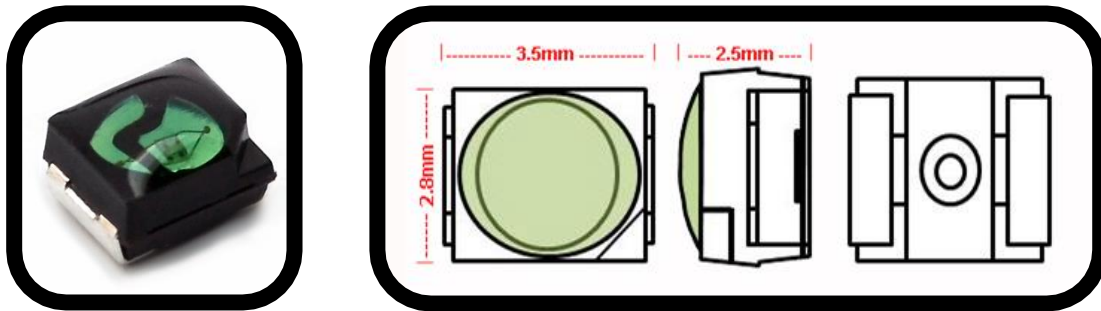
Military Specifications:

Thermal Cycling: MIL-STD-810G, Method 503.5, Procedure 1-B, Figure 503.5-2 and 4.4.4.1b
(Temperature Extremes +70C/+160F to -40C/-40F)

Humidity: MIL-STD-202G, Method 103B, Test Condition A (+40C/+104F at 90%-95 & Relative Humidity)

Salt Fog: MIL-STD-810G, Method 509.5, Paragraph 4.5.2 (24/24/24/24)

NVIS Surface Mount LEDs



TECHNICAL INFORMATION

	GREEN A	GREEN B
Chromaticity	$u' = 0.085 \quad v' = 0.575$	$u' = 0.115 \quad v' = 0.579$
NVIS Radiance NRa	8.2E-11	8.7E-11
Forward Voltage	3.2V	3.2V
Test Current	20mA	20mA

Test Conditions: 25°C, 20mA

About Pynco

Located in Bedford, Indiana, Pynco Inc. is an AS9100 / ISO-9001 registered company that excels in the Machining, Grinding & Polishing of Glass and Polymer materials. With 30 years of expertise in the defense and aerospace industries, Pynco is an industry leader in the manufacturing of optical and night vision filters as well as custom machined products. Pynco capabilities include spectroradiometric measurement services, research and design with an in-house optics laboratory and an experienced assembly and kitting department. Pynco combines first class customer service and leading edge optics research with a world class CNC manufacturing facility. Pynco began with a mission to provide solutions for the most demanding clients and this mission still continues today.