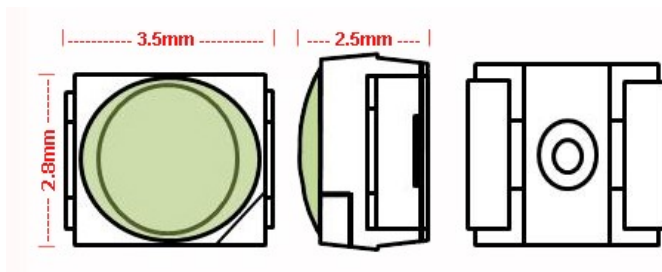
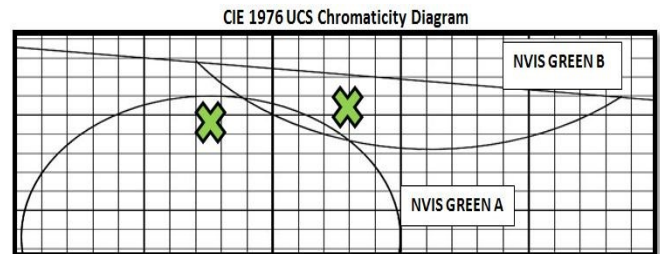


NVIS Surface Mount LED

Pynco's NVIS SMD LEDs are designed with a custom formulated filter lens that provides reliable MIL-SPEC performance in a compact package. Pynco SMD LEDs meet MIL-STD-3009 requirements for NVIS GREEN without the need for external filtering. Our custom filter lens distributes the LED output across the 120° viewing angle. Combining the popular PLCC-2 3528 surface mount form factor 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.



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

Benefits with NVIS SMD LED:

- More compact, smaller in size compared to traditional LEDs with through-hole leads.
- SMD LEDs have a much larger beam angle than regular LEDs – typically 120° rather than 60° or 45°.
- SMD LEDs are more energy efficient and long lasting than normal LED diodes.
- SMD LEDs provide for a simpler and faster automated assembly.
- SMD LEDs offer better mechanical performance under shake and vibration conditions.

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

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/+104Fat 90%-95 & Relative Humidity)

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

- Contact a Pynco representative today for customized options, pricing and lead times.