



NSPG Series

125°C Extended Temperature Solid Polymer Aluminum Electrolytic Capacitors

NIC Components proudly presents the NSPG series, available in standard diameters of 5.0mm, 6.3mm, 8.0mm, and 10mm. These capacitors offer an extended temperature range from -55°C to +125°C and a 2,000-hour lifetime rating at +125°C, ensuring top-tier performance in high-reliability applications.

Capacitance values range from 6.8µF to 1,000µF with ±20% tolerance, making the NSPG series versatile for various electronic systems. Representing the next generation of solid polymer aluminum electrolytic capacitors, the NSPG series is designed to meet the evolving demands of modern electronics with advanced construction and technology.

Series Specifications

Series	NSPG
Upgrade From (Replaces)	NSPD, NSPM, NSPR
Case sizes range	5X5.8mm ~ 10X12.7mm
Capacitance	6.8µF to 1,000µF
Tolerance	±20%
Rated Voltage	2.5 to 80VDC

For a full list of part numbers and specifications please refer to the NSPG series page, www.niccomp.com/series/NSPG



Scan for more info!

Features / Benefits / Advantages

- CYLINDRICAL V-CHIP AND LOW PROFILE
- LOW ESR AT HIGH FREQUENCY
- HIGH PERMISSIBLE RIPPLE CURRENT
- 2,000 HOUR LOAD LIFE @ +125°C
- NO DRY OUT INSURES EXTREMELY LONG LIFE

Applications

- Industrial Automation
- Datacenters
- IoT storage systems
- Graphic cards
- AI computing

