

NIC PRODUCT PROFILE

NEXGW, NEXMW Series

Upgraded Temperature Rated EDLCs

Description:

An upgrade from the established NEXM and NEXG series from NIC Components, the new NEXMW and NEXGW feature wide operating temperature range covering from -40°C ~ +85°C, with 1000 hour load life test ratings at +85°C compared to the legacy -25°C ~ +70°C operating range.

The upgraded temperature allows extended lifetime performance ideal for use as backup capacitors powering real time clock circuits for long durations.

The NEXMW is supplied in UL94V-0 rated resin molded package with 5.0mm lead pitch, and can be supplied on tape for automated insertion. NEXGW is supplied in 5.1mm & 7.62mm lead pitch. For lower profile applications the horizontal mounting option on NEXMW series will result in 7.0mm maximum component height.



Links to Know...

Series Pages:

www.niccomp.com/series/NEXGW
www.niccomp.com/series/NEXMW

View all Double Layer Capacitors

www.niccomp.com/double

Search with QuickBUILDER

www.NICcomp.com/qb-capacitors

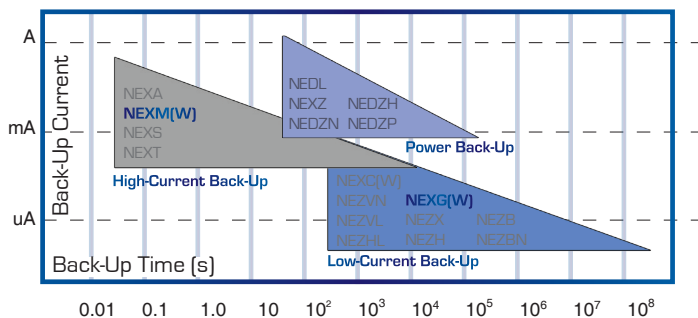
NEXGW & NEXMW Features:

Series	Mount	Capacitance Range	Voltage Range	Temp. Range
NEXG	Radial LDD	0.01F ~ 4.7F	5.5VDC	-25°C ~ 70°C
NEXGW		0.47F ~ 2.2F	3.5 & 5.5VDC	-40°C ~ 85°C
NEXM		0.01F ~ 0.22F	3.5 ~ 6.5VDC	-25°C ~ 70°C
NEXMW		0.047F ~ 0.47F	3.5 ~ 5.5VDC	-40°C ~ 85°C

Targeted Series Applications

- ◇ Memory backup power
- ◇ Dying gasp circuits
- ◇ Real time clock circuits
- ◇ Smart metering
- ◇ Green power
- ◇ Embedded microprocessor systems

Series Range By Back-up Current & Time



Suggested Co-Sell Products

- ◇ High CV MLCC's (NMC)
- ◇ High Current Power Inductors (NPIM)
- ◇ Ferrite Chip Beads (NCB*)
- ◇ NTC Chip Thermistors (NST,NCT)
- ◇ Current Sensing Resistors (NCS*)

Targeted Cross & Replace

- ◇ Cornell Dublier EDLF Series
- ◇ Eaton KW Series
- ◇ ELNA DH, DHL Series
- ◇ Kemet FM, FG, FGR Series

