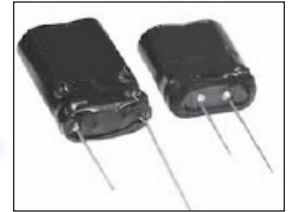


FEATURES

- HIGH CAPACITANCE FOR POWER BACK-UP
- AVAILABLE IN HIGH VOLTAGE, SERIES CONNECTED MODULE* (TWO OR MORE DEPENDING ON VOLTAGE REQUIREMENT)
- SUITABLE FOR FLOW SOLDERING
- LEAD-FREE FINISH

RoHS Compliant
includes all homogeneous materials



CHARACTERISTICS

Rated Voltage Range	5.0VDC	
Rated Capacitance Range	0.47F ~ 4.7F (470,000 μ F ~ 4,700,000 μ F)	
Operating Temp. Range	-25°C ~ +70°C	
Capacitance Tolerance	+80%/-20% (Z)	
Load Life Test @ 70°C 1,000 hours	Δ Capacitance Change	Less than \pm 30% of initial measured value
	Maximum ESR	Less than 400% of the specified maximum value
Temperature Characteristics -25°C & +70°C	Δ Capacitance Change	Within \pm 30% of 20°C value
	Maximum ESR	500% of 20°C value
Shelf Life @ +70°C (1,000 hours)	Δ Capacitance Change	Less than \pm 30% of initial measured value
	Maximum ESR	Less than 400% of the specified maximum value

Super Capacitor Application Guide

STANDARD VALUES AND SPECIFICATIONS

NIC P/N	Case Size (mm)	Lead-Space (mm)	Capacitance (F)	Voltage (Vdc)	Max. Leakage Current (mA)	ESR @ 1KHz	
						Typ.	Max.
NEDZP474Z5V8.5X16AF	8.5X17X16	5.1	0.47	5.0	0.2mA @ 24 hours	300m Ω	0.6 Ω
NEDZP474Z5V8.5X16BF		12.1					
NEDZP105Z5V8.5X24AF	8.5X17X24	5.1	1.0	5.0	0.3mA @ 24 hours	240m Ω	0.6 Ω
NEDZP105Z5V8.5X24BF		12.1					
NEDZP155Z5V8.5X24AF	8.5X17X24	5.1	1.5	5.0	0.4mA @ 24 hours	200m Ω	0.6 Ω
NEDZP155Z5V8.5X24BF		12.1					
NEDZP335Z5V10.5X34AF	10.5X21X34	5.5	3.3	5.0	0.8mA @ 24 hours	100m Ω	0.2 Ω
NEDZP335Z5V10.5X34BF		15.5					
NEDZP475Z5V10.5X39AF	10.5X21X39	5.5	4.7	5.0	1.0mA @ 24 hours	70m Ω	0.2 Ω
NEDZP475Z5V10.5X39BF		15.5					

*Contact NIC for information on ordering series connected, high voltage parts.



PART NUMBER SYSTEM

NEDZP 475 Z 5V 10.5X39 A E

- Series
- Capacitance Code in μ F, first 2 digits are significant, third digit is no. of zeros
- Tolerance Code Z = +80%/-20%
- Working Voltage
- Size in mm
- Lead-space Option (see Standard Values and Specifications table)
- RoHS Compliant

PRECAUTIONS

Please review the notes on correct use, safety and precautions found at https://www.niccomp.com/resource/files/double/Double_Layer_Capacitor_Guide_0810-RevBrA7.pdf
If in doubt or uncertainty, please review your specific application - process details with NIC's technical support personnel: tpmg@niccomp.com



CASE DIMENSIONS (mm)

NIC P/N	DIMENSIONS (mm)				
	L max.	W ± 0.5	T ± 0.5	S	d
NEDZP474Z5V8.5X16AF	16.0	17.0	8.5	5.1	0.6
NEDZP474Z5V8.5X16BF				12.1	
NEDZP105Z5V8.5X24AF	24.0	17.0	8.5	5.1	0.6
NEDZP105Z5V8.5X24BF				12.1	
NEDZP155Z5V8.5X24AF	24.0	17.0	8.5	5.1	0.6
NEDZP155Z5V8.5X24BF				12.1	
NEDZP335Z5V10.5X34AF	34.0	21.0	10.5	5.5	0.6
NEDZP335Z5V10.5X34BF				15.5	
NEDZP475Z5V10.5X39AF	39.0	21.0	10.5	5.5	0.6
NEDZP475Z5V10.5X39BF				15.5	

