FEATURES

- DOUBLE LAYER CAPACITOR
- SUITABLE FOR FLOW SOLDERING
- LEAD-FREE FINISH

RoHS Compliant includes all homogeneous materials



CHARACTERISTICS

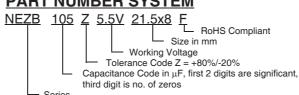
Rated Voltage Range	5.5VDC			
Rated Capacitance Range	0.047F ~ 1.0F (47,000μF ~ 1,000,000μF)	Super Capacitor		
Operating Temp. Range	-25°C ~ +70°C	Application Guide		
Capacitance Tolerance	+80%/-20% (Z)			
Load Life Test @ 70°C 1,000 hours	∆ Capacitance Change	Less than ±30% of initial measured value		
	Maximum ESR	Less than 400% of the specified maximum value		
Temperature Characteristics -25°C & +70°C	∆ Capacitance Change	Within +30% of 20°C value		
	Maximum ESR	Less than 500%x 20°C value		
Shelf Life @ +70°C (1,000 hours)	∆ Capacitance Change	Less than ±30% of initial measured value		
	Maximum ESR	Less than 400% of the specified maximum value		

STANDARD VALUES AND SPECIFICATIONS

NIC P/N	Case Size (mm)	Capacitance (F)	Holding Voltage (VDC min.)*	Max. Leakage Current @ minutes (μA)	Max. ESR @ 1KHz (Ω)
NEZB473Z5.5V13.5X7.5F	13.5X7.5	0.047	4.0	69 @ 30 minutes	120
NEZB104Z5.5V13.5X7.5F	13.5X7.5	0.1	4.0	100 @ 30 minutes	75
NEZB224Z5.5V13.5X7.5F	13.5X7.5	0.22	4.0	135 @ 30 minutes	75
NEZB334Z5.5V13.5X7.5F	13.5X7.5	0.33	4.0	182 @ 30 minutes	75
NEZB474Z5.5V21.5X8F	21.5X8	0.47	4.0	216 @ 30 minutes	30
NEZB105Z5.5V21.5X8F	21.5X8	1.0	4.0	315 @ 30 minutes	30
NEZB155Z5.5V21.5X8F	21.5X8	1.5	4.0	450 @ 60 minutes	30

^{*}Minimum voltage at 24 hours after changing for 1 hour at 5VDC.

PART NUMBER SYSTEM



PRECAUTIONS

WASHING is NOT RECOMMENDED. Additional guidelines and precautions can be found at www.niccomp.com/precautions If in doubt or uncertainty, please review your specific application - process details with NIC's technical support personnel: tpmg@niccomp.com



Memory Back-Up Capacitors

CASE DIMENSIONS (mm)

NIC P/N	DIMENSIONS (mm)					
INIC F/IN	D max.	H max.	S ± 0.3	L ± 1.0	d ₁ ±0.1	d ₂ ± 0.1
NEZB473Z5.5V13.5X7.5F	13.5	7.5	5.0	6.0	1.2	0.5
NEZB104Z5.5V13.5X7.5F	13.5	7.5	5.0	6.0	1.2	0.5
NEZB224Z5.5V13.5X7.5F	13.5	7.5	5.0	6.0	1.2	0.5
NEZB334Z5.5V13.5X7.5F	13.5	7.5	5.0	6.0	1.2	0.5
NEZB474Z5.5V21.5X8F	21.5	8.0	5.0	6.0	1.2	0.5
NEZB105Z5.5V21.5X8F	21.5	8.0	5.0	6.0	1.2	0.5
NEZB155Z5.5V21.5X8F	21.5	8.0	5.0	6.0	1.2	0.5

