Memory Back-Up Capacitors

FEATURES

- DOUBLE LAYER CAPACITOR
- HIGH TEMPERATURE (+85°C)
- SUITABLE FOR FLOW SOLDERING
- LEAD-FREE FINISH

CHARACTERISTICS





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Rated Voltage Range	5.5VDC			
Rated Capacitance Range	0.047F ~ 1.0F (47,000μF ~ 1,000,000μF)	Super Capacitor	/	
Operating Temp. Range	-25°C ~ +85°C	Application Guide		
Capacitance Tolerance	+80%/-20% (Z)	Application Guide		
Load Life Test @ 85°C 1,000 hours	Δ Capacitance Change	Less than ±30% of initial measured value		
	Maximum ESR	Less than 400% of the specified maximum value		
Temperature Characteristics -25°C & +85°C	Δ Capacitance Change	Within +30% of 20°C value		
	Maximum ESR	Less than 500% of 20°C value		
Shelf Life @ +85°C (1,000 hours)	Δ Capacitance Change	Less than ±30% of initial measured value		
	Maximum ESR	Less than 400% of the specified maximum value		

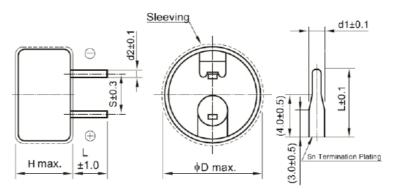
STANDARD VALUES AND SPECIFICATIONS

NIC P/N	Case Size (mm)	Capacitance (F)	Holding Voltage (VDC min.)*	Max. Leakage Current @ 30 minutes (μA)	Max. ESR @ 1KHz (Ω)
NEZH473Z5.5V13.5X9.5F	13.5X9.5	0.047	4.0	69	300
NEZH104Z5.5V13.5X9.5F	13.5X9.5	0.1	4.0	100	200
NEZH224Z5.5V13.5X9.5F	13.5X9.5	0.22	4.0	135	120
NEZH474Z5.5V21.5X9.5F	21.5X9.5	0.47	4.0	216	50
NEZH684Z5.5V21.5X9.5F	21.5X9.5	0.68	4.0	260	50
NEZH105Z5.5V21.5X9.5F	21.5X9.5	1.0	4.0	315	30

*Minimum voltage at 24 hours after charging for 1 hour at 5VDC.

CASE DIMENSIONS (mm)

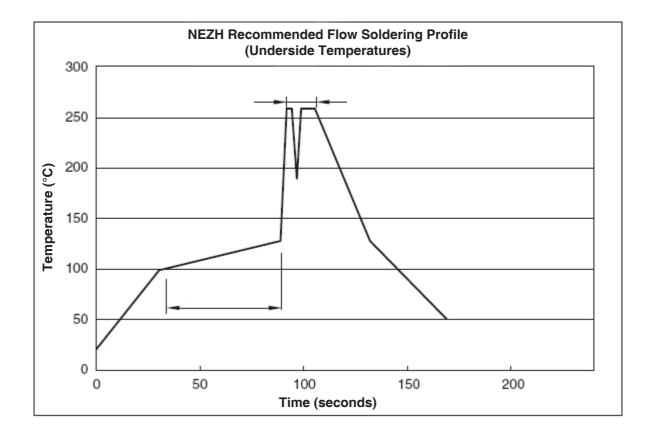
NIC P/N	DIMENSIONS (mm)					
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NEZH473Z5.5V13.5X9.5F	13.5	9.5	5.0	6.0	1.2	0.5
NEZH104Z5.5V13.5X9.5F	13.5	9.5	5.0	6.0	1.2	0.5
NEZH224Z5.5V13.5X9.5F	13.5	9.5	5.0	6.0	1.2	0.5
NEZH474Z5.5V21.5X9.5F	21.5	9.5	5.0	6.0	1.2	0.5
NEZH684Z5.5V21.5X9.5F	21.5	9.5	5.0	6.0	1.2	0.5
NEZH105Z5.5V21.5X9.5F	21.5	9.5	5.0	6.0	1.2	0.5



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



NEZH Series



NIC COMPONENTS CORP. www.niccomp.com | www.lowESR.com | www.RFpassives.com | www.SMTmagnetics.com SPECIFICATIONS ARE SUBJECT TO CHANGE

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