FEATURES

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

RoHS Compliant includes all homogeneous materials



CHARACTERISTICS

Rated Voltage Range	5.5VDC		16.	
Rated Capacitance Range	0.047F ~ 1.0F (47,000μF ~ 1,000,000μF)	Super Capacitor		
Operating Temp. Range	-25°C ~ +85°C	Application Guide	1	
Capacitance Tolerance	+80%/-20% (Z)	Application duide		
Load Life Test @ 85°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 & +85°C	∆ 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		

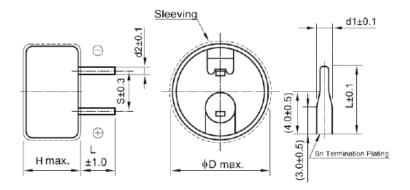
STANDARD VALUES AND SPECIFICATIONS

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)					
NIC F/N	D	Н	S	L	d,	d ₂
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

