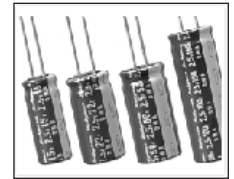


### FEATURES

- HIGH POWER AND LOW INTERNAL RESISTANCE
- HIGH CAPACITANCE (UP TO 200F)
- IDEAL AS POWER SUPPLY BACK-UP

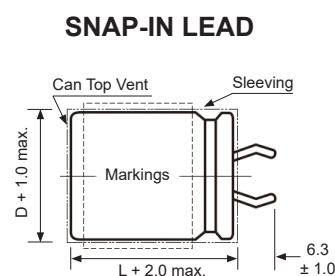
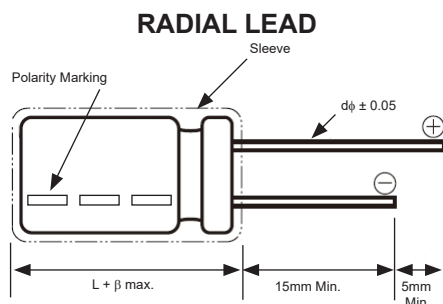


### CHARACTERISTICS

Series	NEDZN
Rated Voltage Range	2.5 & 2.7VDC
Rated Capacitance Range	0.7F ~ 200F (700,000 $\mu$ F ~ 200,000,000 $\mu$ F)
Operating Temp. Range	-25°C ~ +70°C
Capacitance Tolerance	+80%/-20% (Z)
Load Life Test @ +70°C 1,000 hours	$\Delta C$ = Less than $\pm 30\%$ of initial measured value
	Max. ESR = Less than 400% of the specified max.
Temperature Characteristics -25°C & +70°C	$\Delta C$ = Within +30% of 20°C value
	Max. ESR = Less than 500% of 20°C value
Shelf Life @ +70°C 1,000 hours	$\Delta C$ = Less than $\pm 30\%$ of initial measured value
	Max. ESR = Less than 400% of the specified max. value

### STANDARD VALUES AND SPECIFICATIONS

NIC P/N	Case Size (mm)	Capacitance (F)	Voltage Rating (VDC)	Max. Leakage Current After 24 Hours (mA)	Max. ESR @ 1KHz (m $\Omega$ )	Typical ESR @ 1KHz (m $\Omega$ )	Lead Style
NEDZN704Z2.5V8X15F	8X15	0.7	2.5	0.1	400	200	Radial
NEDZN105Z2.5V6.3X14F	6.3X14	1.0	2.5	0.1	400	300	Radial
NEDZN105Z2.5V8X12F	8X12	1.0	2.5	0.1	300	150	Radial
NEDZN275Z2.5V8X20F	8X20	2.7	2.5	0.2	300	120	Radial
NEDZN335Z2.5V10X20F	10X20	3.3	2.5	0.2	200	60	Radial
NEDZN475Z2.5V10X20F	10X20	4.7	2.5	0.3	100	70	Radial
NEDZN685Z2.5V10X25F	10X25	6.8	2.5	0.4	100	40	Radial
NEDZN106Z2.5V10X35F	10X35	10	2.5	0.5	100	35	Radial
NEDZN106Z2.5V12.5X25F	12.5X25	10	2.5	0.5	100	35	Radial
NEDZN226Z2.5V16X25F	16X25	22	2.5	0.8	100	25	Radial
NEDZN336Z2.5V16X35.5F	16X35.5	33	2.5	0.8	100	20	Radial
NEDZN506Z2.5V25X40F	25X40	50	2.5	1.0	30	15	Snap-in
NEDZN107Z2.5V25X50F	25X50	100	2.5	1.0	30	15	Snap-in
NEDZN207Z2.5V35X50F	35X50	200	2.5	2.0	30	8	Snap-in



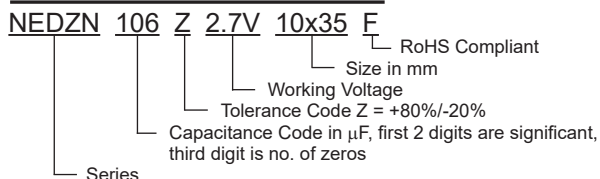
### PRECAUTIONS

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](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](mailto:tpmg@niccomp.com)

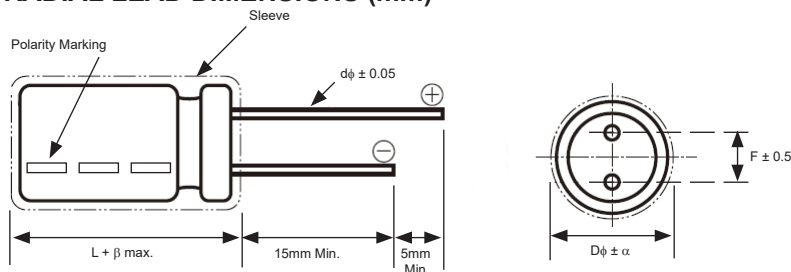


NIC P/N	Case Size (mm)	Capacitance (F)	Voltage Rating (VDC)	Max. Leakage Current After 24 Hours (mA)	Max. ESR @ 1KHz (mΩ)	Typical ESR @ 1KHz (mΩ)	Lead Style
NEDZN704Z2.7V8X15F	8X15	0.7	2.7	0.1	400	200	Radial
NEDZN105Z2.7V6.3X14F	6.3X14	1.0	2.7	0.2	400	300	Radial
NEDZN105Z2.7V8X12F	8X12	1.0	2.7	0.2	300	150	Radial
NEDZN275Z2.7V8X20F	8X20	2.7	2.7	0.3	300	120	Radial
NEDZN335Z2.7V10X20F	10X20	3.3	2.7	0.3	200	90	Radial
NEDZN475Z2.7V10X20F	10X20	4.7	2.7	0.4	100	70	Radial
NEDZN685Z2.7V10X25F	10X25	6.8	2.7	0.5	100	40	Radial
NEDZN106Z2.7V10X35F	10X35	10	2.7	0.6	100	35	Radial
NEDZN226Z2.7V16X31.5F	16X31.5	22	2.7	1.0	100	25	Radial

### PART NUMBER SYSTEM



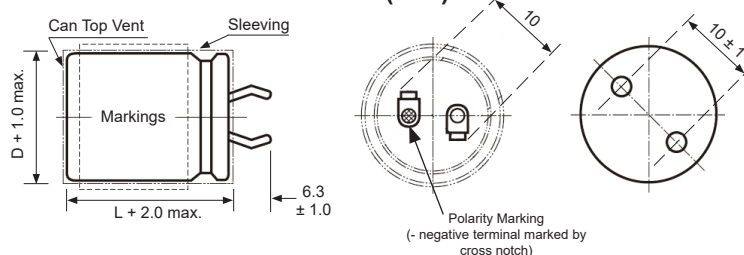
### RADIAL LEAD DIMENSIONS (mm)



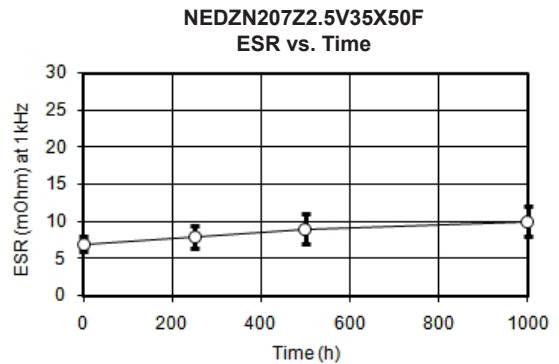
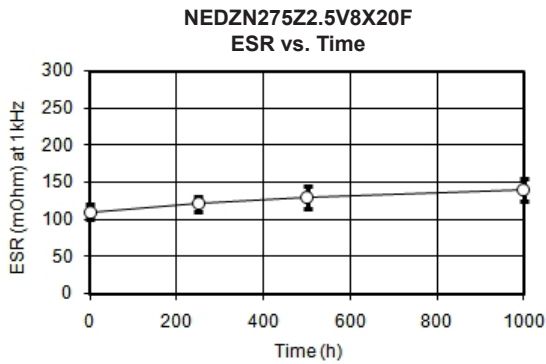
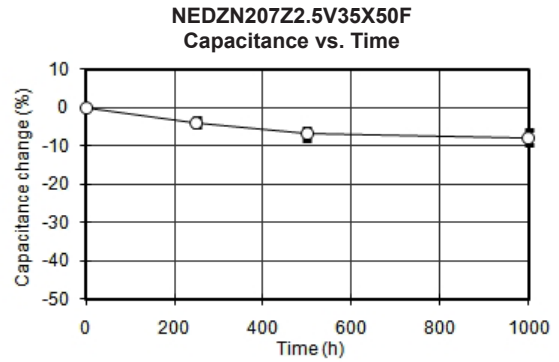
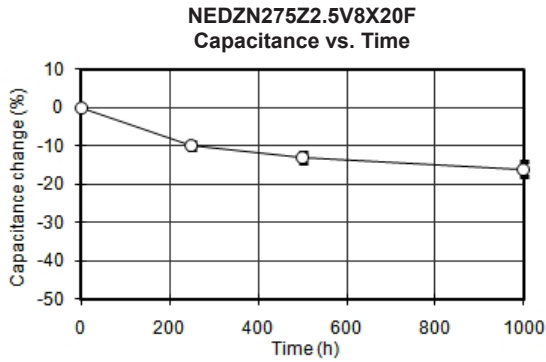
Case Dia. (Dφ)	6.3	8	10	12.5	16	18
Lead Space (F)	2.5	3.5	5.0	7.5		
Lead Dia. (dφ)	0.6		0.8			
Dim. α	0.5					
Dim. β	2.0					

Drawing is representative of parts as supplied in bulk or straight lead format, please see taping specification for details on taped format packaging.

### SNAP-IN LEAD DIMENSIONS (mm)



### LOAD LIFE TEST (+70°C, 2.5V APPLIED)



### TEMPERATURE CHARACTERISTICS

