

## FEATURES

- DOUBLE LAYER CONSTRUCTION
- RAPID CHARGE/DISCHARGE APPLICATIONS & ENERGY BACK-UP APPLICATIONS
- LONG LIFE (OVER TEN-THOUSAND CYCLES)
- ROHS COMPLIANT

**RoHS Compliant**  
includes all homogeneous materials

\*See Part Number System for Details



## CHARACTERISTICS

Rated Voltage Range	2.5VDC	
Rated Capacitance Range	2.2F ~ 150F	
Operating Temp. Range	-25°C ~ +70°C	
Capacitance Tolerance	±20% (M) @ +20°C	
Load Life Test @ 70°C 1,000 hours	Δ Capacitance Change	Within ±30% of initial measured value
	Maximum ESR	Less than 300% of the specified maximum value
High Temperature Storage 1,000 hours at 70°C (no load)	Δ Capacitance Change	Less than ≤ 30% of initial measured value at +20°C

## STANDARD VALUES AND SPECIFICATIONS

NIC P/N	Capacitance Value (F)	Rated Voltage (VDC)	Leakage Current @ after 30 min. (mA)	Max. ESR @1KHz (Ω) (AC current: 1 ~ 10mA)
NEDL225M2.5V8X16F	2.2	2.5	1.1	≤ 1.0
NEDL335M2.5V8X20F	3.3	2.5	1.7	
NEDL475M2.5V10X20F	4.7	2.5	2.4	≤ 0.5
NEDL106M2.5V10X35F	10	2.5	5	≤ 0.2
NEDL106M2.5V12.5X25F	10	2.5	5	
NEDL156M2.5V12.5X30F	15	2.5	8	≤ 0.1
NEDL226M2.5V16X25F	22	2.5	11	
NEDL306M2.5V16X31.5F	30	2.5	15	
NEDL506M2.5V18X40F	50	2.5	25	
NEDL706M2.5V20X45F	70	2.5	35	
NEDL107M2.5V20X55F	100	2.5	50	
NEDL157M2.5V22X65F	150	2.5	75	

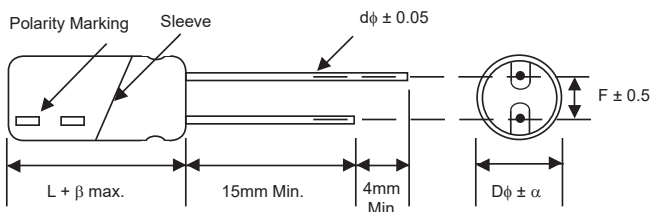
## PART NUMBER SYSTEM

**NEDL 225 M 2.5V 8x16 F**

Series | Capacitance Code in μF, first 2 digits are significant, third digit is no. of zeros | Working Voltage | Tolerance Code M = 20% | Size in mm | RoHS Compliant

## CASE DIMENSIONS (mm)

DIMENSIONS (mm)					
D	H	S	dφ	α	β
8	16	3.5	0.6	0.5	2.0
8	20	3.5	0.6	0.5	2.0
10	20	5.0	0.6	0.5	2.0
10	35	5.0	0.6	0.5	2.0
12.5	25	5.0	0.6	0.5	2.0
12.5	30	5.0	0.6	0.5	2.0
16	25	7.5	0.8	0.5	2.0
16	31.5	7.5	0.8	0.5	2.0
18	40	7.5	0.8	0.5	2.0
20	45	10	1.0	0.5	2.0
20	55	10	1.0	0.5	2.0
22	65	10	1.0	0.5	2.0



## 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)



## PACKAGE QUANTITY

NIC P/N	Bulk Package Quantity
NEDL225M2.5V8X16F	200
NEDL335M2.5V8X20F	200
NEDL475M2.5V10X20F	200
NEDL106M2.5V10X35F	200
NEDL106M2.5V12.5X25F	500
NEDL156M2.5V12.5X30F	500
NEDL226M2.5V16X25F	200
NEDL306M2.5V16X31.5F	200
NEDL506M2.5V18X40F	200
NEDL706M2.5V20X45F	100
NEDL107M2.5V20X55F	100
NEDL157M2.5V22X65F	100

