

Surface Mount Aluminum Electrolytic Capacitors NACNW Series

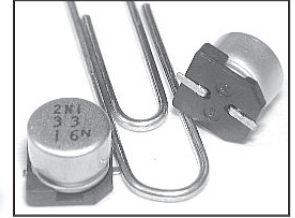
FEATURES

- CYLINDRICAL V-CHIP CONSTRUCTION FOR SURFACE MOUNTING
- NON-POLARIZED, 1000 HOURS AT 105°C
- 5.5mm HEIGHT
- ANTI-SOLVENT (2 MINUTES)
- DESIGNED FOR REFLOW SOLDERING

**RoHS
Compliant**

includes all homogeneous materials

*See Part Number System for Details



CHARACTERISTICS

Rated Voltage Range	6.3 ~ 50Vcc						
Rated Capacitance Range	0.1 ~ 47μF						
Operating Temp. Range	-55 ~ +105°C						
Capacitance Tolerance	±20% (M)						
Max. Leakage Current After 1 Minutes @ 20°C	0.03CV + 8μA max.						
Tan δ @ 120Hz/20°C	W.V. (Vdc)	6.3	10	16	25	35	50
	Tan δ @ 120Hz/20°C	0.24	0.22	0.20	0.20	0.20	0.18
Low Temperature Stability Impedance Ratio @ 120Hz	W.V. (Vdc)	6.3	10	16	25	35	50
	Z -25°C/Z +20°C	3	3	2	2	2	2
	Z -40°C/Z +20°C	8	8	4	4	3	3
Load Life Test 105°C 1,000 Hours (Reverse polarity every 500 Hours)	Capacitance Change	Within ±25% of initial measured value					
	Tan δ	Less than 200% of specified max. value					
	Leakage Current	Less than specified max. value					

STANDARD VALUES, CASE SIZES & SPECIFICATIONS

Cap. (μF)	Working Voltage	Case Size	Max. ESR (Ω) AT 120Hz/20°C	Max. Ripple Current (mA rms) AT 120Hz/105°C
22	6.3Vdc	5X5.5	18.09	22
33		6.3X5.5	12.06	27
47		6.3X5.5	8.47	33
10	10Vdc	4X5.5	36.49	12
22		6.3X5.5	16.59	25
33		6.3X5.5	11.06	30
4.7	16Vdc	4X5.5	70.58	8
10		5X5.5	33.17	17
22		6.3X5.5	15.08	27
33		6.3X5.5	10.05	40
3.3	25Vdc	4X5.5	100.53	7
4.7		5X5.5	70.58	13
10		6.3X5.5	33.17	20
2.2	35Vdc	4X5.5	150.79	5.9
3.3		5X5.5	100.53	12
4.7		5X5.5	70.58	14
10	50Vdc	6.3X5.5	33.17	21
0.1		4X5.5	2985.67	0.7
0.22		4X5.5	1357.12	1.6
0.33		4X5.5	904.75	2.4
0.47		4X5.5	635.25	3.5
1.0		4X5.5	298.57	7
2.2		5X5.5	135.71	10
3.3		5X5.5	90.47	13
4.7		6.3X5.5	63.52	16

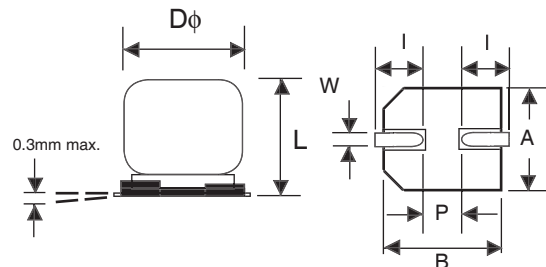
PART NUMBER SYSTEM

NACNW 100 M 16V 5x5.5 TR 13 F

RoHS Compliant
97% Sn (min.),
3% Bi (max.)
330mm (13") Reel
Tape & Reel

Size in mm
Working Voltage
Tolerance Code M=20%, K=10%
Capacitance Code in μF, first 2 digits are significant
Third digit is no. of zeros, "R" indicates decimal for values under 10μF

Series



DIMENSIONS (mm)

Case Size	Dφ ± 0.5	L max.	A ± 0.2	I ± 0.2	W	P ± 0.2
4x5.5	4.0	5.5	4.3	1.8	0.5 ~ 0.8	1.0
5x5.5	5.0	5.5	5.3	2.1	0.5 ~ 0.8	1.4
6.3x5.5	6.3	5.5	6.6	2.5	0.5 ~ 0.8	2.2

PRECAUTIONS

Please review the notes on correct use, safety and precautions found on pages T10 & T11 of NIC's Electrolytic Capacitor catalog.
Also 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

