

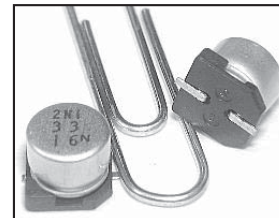
Surface Mount Aluminum Electrolytic Capacitors NACNW Series

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	1.0 ~ 47 μ F						
Operating Temp. Range	-55 ~ +105°C						
Capacitance Tolerance	\pm 20% (M)						
Max. Leakage Current After 1 Minutes @ 20°C	0.03CV + 8 μ A 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 \pm 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

Part Number	Cap. (μ F)	Working Voltage	Max. ESR (Ω) AT 120Hz/20°C	Max. Ripple Current (mA rms) AT 120Hz/105°C
NACNW220M6.3V5X5.5TR13F	22	6.3Vdc	18.09	22
NACNW330M6.3V6.3X5.5TR13F	33		12.06	27
NACNW470M6.3V6.3X5.5TR13F	47		8.47	33
NACNW100M10V4X5.5TR13F	10	10Vdc	36.49	12
NACNW220M10V6.3X5.5TR13F	22		16.59	25
NACNW330M10V6.3X5.5TR13F	33		11.06	30
NACNW4R7M16V4X5.5TR13F	4.7	16Vdc	70.58	8
NACNW100M16V5X5.5TR13F	10		33.17	17
NACNW220M16V6.3X5.5TR13F	22		15.08	27
NACNW330M16V6.3X5.5TR13F	33		10.05	40
NACNW3R3M25V4X5.5TR13F	3.3		100.53	7
NACNW4R7M25V5X5.5TR13F	4.7	25Vdc	70.58	13
NACNW100M25V6.3X5.5TR13F	10		33.17	20
NACNW2R2M35V4X5.5TR13F	2.2		150.79	5.9
NACNW3R3M35V5X5.5TR13F	3.3	35Vdc	100.53	12
NACNW4R7M35V5X5.5TR13F	4.7		70.58	14
NACNW100M35V6.3X5.5TR13F	10		33.17	21
NACNW1R0M50V4X5.5TR13F	1.0		298.57	7
NACNW2R2M50V5X5.5TR13F	2.2	50Vdc	135.71	10
NACNW3R3M50V5X5.5TR13F	3.3		90.47	13
NACNW4R7M50V6.3X5.5TR13F	4.7		63.52	16

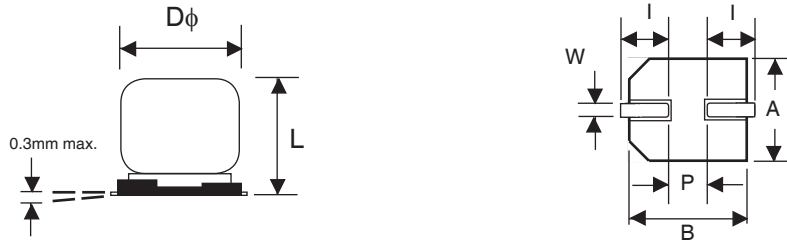
For Automotive Equipment see part number system



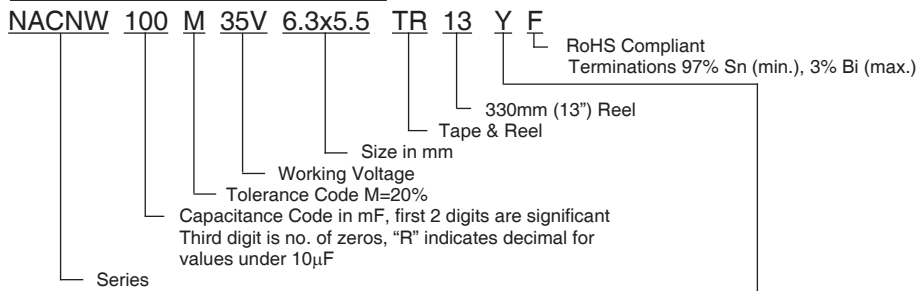
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DIMENSIONS (mm)

Case Size	D ϕ \pm 0.5	L max.	A \pm 0.2	I \pm 0.2	W	P \pm 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



PART NUMBER SYSTEM



Optional: Suitable for automotive equipment, sourced to special production and inspection at TS-16949 certified production site

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



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CARRIER TAPE

Case Size	A ±0.5	B ±0.2	C ±0.3	D ±0.1	P ±0.1	T ±0.2
4 x 5.5	4.7	4.7	12.0	5.5	8.0	5.8
5 x 5.5	5.7	5.7	12.0	5.5	12.0	5.8
6.3 x 5.5	7.0	7.0	16.0	7.5	12.0	5.8

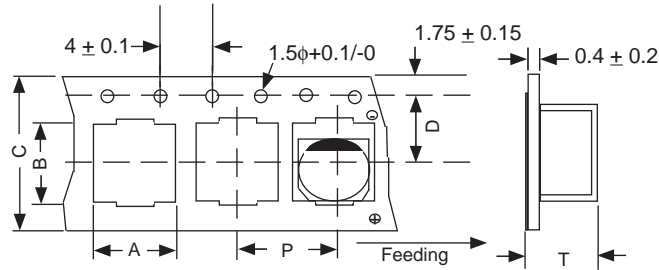
TR13 330mm (13") REEL TR15 380mm (15") REEL

Case Size	W ±1.0	Quantity Per Reel	
		13" Reel	15" Reel
4 x 5.5	14.0	1,500 pcs	2,000 pcs
5 x 5.5	14.0	1,000 pcs	1,000 pcs
6.3 x 5.5	18.0	1,000 pcs	1,000 pcs

TAPING SPECIFICATIONS (mm)

- Both Leader and Trailer tape: Minimum 40mm (1.57") empty carrier tape pockets.
- Leader tape: Approximately 20cm of cover tape at leader.
- Connection: Maximum 3 connections (slices) per reel.

CARRIER



REEL

