

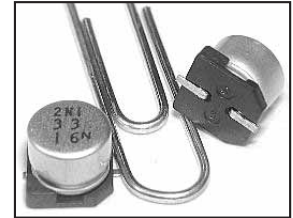
Surface Mount Aluminum Electrolytic Capacitors NACNW Series

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 ~ 50Vdc						
Rated Capacitance Range	0.1 ~ 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	25Vdc	100.53	7
NACNW4R7M25V5X5.5TR13F	4.7		70.58	13
NACNW100M25V6.3X5.5TR13F	10		33.17	20
NACNW2R2M35V4X5.5TR13F	2.2	35Vdc	150.79	5.9
NACNW3R3M35V5X5.5TR13F	3.3		100.53	12
NACNW4R7M35V5X5.5TR13F	4.7		70.58	14
NACNW100M35V6.3X5.5TR13F	10		33.17	21
NACNWR10M50V4X5.5TR13F	0.1	50Vdc	2985.67	0.7
NACNWR22M50V4X5.5TR13F	0.22		1357.12	1.6
NACNWR33M50V4X5.5TR13F	0.33		904.75	2.4
NACNWR47M50V4X5.5TR13F	0.47		635.25	3.5
NACNW1R0M50V4X5.5TR13F	1.0		298.57	7
NACNW2R2M50V5X5.5TR13F	2.2		135.71	10
NACNW3R3M50V5X5.5TR13F	3.3		90.47	13
NACNW4R7M50V6.3X5.5TR13F	4.7		63.52	16

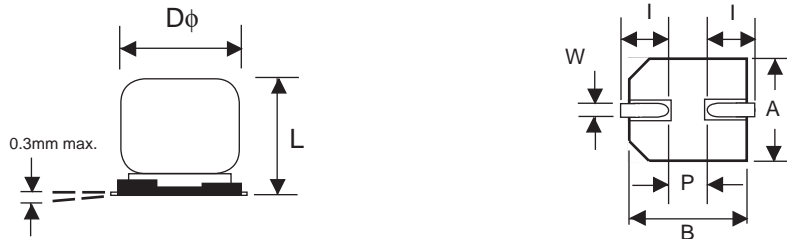
For Automotive Equipment see part number system



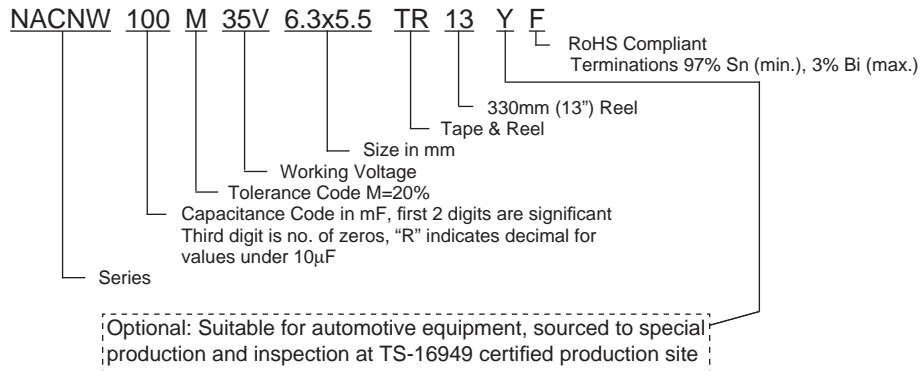
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DIMENSIONS (mm)

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



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

