NIC COMPONENTS CORP.
http:www.niccomp.com / Technical Inquiries: tpmg@niccomp.com

17 April 2008

END OF LIFE NOTICE

PRODUCTS: Subminiature Radial Aluminum Electrolytic Capacitors
NIC PRODUCT SERIES: NSR, NSRN, NSRW and NSRZ Series

THE FOLLOWING IS NOTICE THAT THE 3x5mm, 4x5mm AND 5x5mm CASE SIZES IN THE NSR, NSRN, NSRW AND NSRZ SERIES ARE BEING DISCONTINUED. LAST ORDER DATE IS OCTOBER 2008 AND LAST DELIVERY DATE IS DECEMBER 2008.

REASON FOR TERMINATION: Age and low utility of production equipment

THE FOLLOWING PART NUMBERS ARE AFFECTED:

DISCONTINUED PART NUMBERS

Part Number	Cap. Value (µF)	Voltage (Vdc)	Case Size (mm)	Higher Profile Alternative
NSRR10M50V3X5F	0.1	50	3x5	NRE-S Series http://www.niccomp.com/Catalog/nres.pdf
NSRR22M50V3X5F	0.22	50	3x5	
NSRR33M50V3X5F	0.33	50	3x5	
NSR1R0M50V3X5F	1.0	50	3x5	
NSR1R0M50V4X5F	1.0	50	4x5	
NSR2R2M35V3X5F	2.2	35	3x5	
NSR2R2M50V3X5F	2.2	50	3x5	
NSR2R2M50V4X5F	2.2	50	4x5	
NSR3R3M25V3X5F	3.3	25	3x5	
NSR3R3M35V3X5F	3.3	35	3x5	
NSR3R3M50V3X5F	3.3	50	3x5	
NSR3R3M50V4X5F	3.3	50	4x5	
NSR4R7M16V3X5F	4.7	15	3x5	
NSR4R7M25V3X5F	4.7	25	3x5	
NSR4R7M35V4X5F	4.7	35	4x5	
NSR4R7M50V5X5F	4.7	50	5x5	

NSR100M6.3V3X5F	10	6.3	3x5	NRE-S Series http://www.niccomp.com/Catalog/nres.pdf
NSR100M10V3X5F	10	10	3x5	
NSR100M16V3X5F	10	16	3x5	
NSR100M16V4X5F	10	16	4x5	
NSR100M25V5X5F	10	25	5x5	
NSR100M35V5X5F	10	35	5x5	
NSR220M6.3V4X5F	22	6.3	4x5	
NSR220M10V5X5F	22	10	5x5	
NSR220M16V5X5F	22	16	5x5	
NSR330M4V4X5F	33	4	4x5	
NSR330M6.3V5X5F	33	6.3	5x5	
NSR330M10V5X5F	33	10	5x5	
NSR470V4V4X5F	47	4	4x5	
NSR470M6.3V5X5F	47	6.3	5x5	
NSR101M4V5X5F	100	4	5x5	
NSRNR10M50V4X5F	0.1	50	4x5	NRE-SN Series http://www.niccomp.com/Catalog/nresn.pdf
NSRNR22M50V4X5F	0.22	50	4x5	
NSRNR33M50V4X5F	0.33	50	4x5	
NSRNR47M50V4X5F	0.47	50	4x5	
NSRN1R0M50V4X5F	1.0	50	4x5	
NSRN2R2M35V4X5F	2.2	35	4x5	
NSRN2R2M50V5X5F	2.2	50	5x5	
NSRN3R3M25V5X5F	3.3	25	5x5	
NSRN3R3M35V5X5F	3.3	35	5x5	
NSRN3R3M50V5X5F	3.3	50	5x5	
NSRN4R7M16V4X5F	4.7	16	4x5	
NSRN4R7M25V5X5F	4.7	25	5x5	
NSRN4R7M35V5X5F	4.7	35	5x5	
NSRN100M10V4X5F	10	10	4x5	
NSRN100M16V5X5F	10	16	5x5	
NSRN220M6.3V5X5F	22	6.3	5x5	
NSRWR10M50V4X5F	0.1	50	4x5	NRE-S Series http://www.niccomp.com/Catalog/nresw.pdf
NSRWR22M50V4X5F	0.22	50	4x5	
NSRWR33M50V4X5F	0.33	50	4x5	
NSRWR47M50V4X5F	0.47	50	4x5	

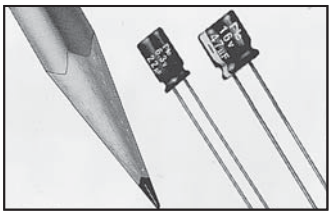
NSRW1R0M50V4X5F	1.0	50	4x5	NRE-SW Series http://www.niccomp.com/Catalog/nresw.pdf
NSRW2R2M50V4X5F	2.2	50	4x5	
NSRW3R3M50V4X5F	3.3	50	4x5	
NSRW4R7M25V4X5F	4.7	25	4x5	
NSRW4R7M35V4X5F	4.7	35	4x5	
NSRW4R7M50V5X5F	4.7	50	5x5	
NSRW100M16V4X5F	10	16	4x5	
NSRW100M25V5X5F	10	25	5x5	
NSRW100M35V5X5F	10	35	5x5	
NSRW220M6.3V4X5F	22	6.3	4x5	
NSRW220M10V5X5F	22	10	5x5	
NSRW220M16V5X5F	22	16	5x5	
NSRW330M6.3V5X5F	33	6.3	5x5	
NSRW330M10V5X5F	33	10	5x5	
NSRW470M6.3V5X5F	47	6.3	5x5	
NSRZ270M6.3V4X5F	27	6.3	4x5	NRE-SX Series http://www.niccomp.com/Catalog/nresx.pdf
NSRZ560M6.3V5X5F	56	6.3	5x5	
NSRZ180M10V4X5F	18	10	4x5	
NSRZ330M10V5X5F	33	10	5x5	
NSRZ120M16V4X5F	12	16	4x5	
NSRZ220M16V5X5F	22	16	5x5	
NSRZ8R2M25V4X5F	8.2	25	4x5	
NSRZ150M25V5X5F	15	25	5x5	
NSRZ220M25V5X5F	22	25	5x5	
NSRZ4R7M35V4X5F	4.7	35	4x5	
NSRZ8R2M35V4X5F	8.2	35	4x5	
NSRZ100M35V5X5F	10	35	5x5	
NSRZ150M35V5X5F	15	35	5x5	
NSRZ220M35V5X5F	22	35	5x5	

PREPARED BY: Paul Harris, Technical Sales Manager, NIC TPMG

Miniature Aluminum Electrolytic Capacitors

NSRZ Series

LOW IMPEDANCE, SUBMINIATURE, RADIAL LEADS, POLARIZED
ALUMINUM ELECTROLYTIC CAPACITORS



FEATURES

- VERY LOW IMPEDANCE AT HIGH FREQ AND HIGH RIPPLE CURRENT
- 5mm HEIGHT, LOW PROFILE
- SUITABLE FOR DC-DC CONVERTER OR DC-AC INVERTER

RoHS Compliant
includes all homogeneous materials

*See Part Number System for Details

CHARACTERISTICS

Rated Voltage Range	6.3 ~ 35Vdc					
Capacitance Range	33 ~ 180µF					
Operating Temperature Range	-55 ~ +105°C					
Capacitance Tolerance	±20%(M)					
Max. Leakage Current After 1 minutes At +20°C	0.01CV or 3µA, whichever is greater					
Max. Tan δ @ 120Hz/+20°C	W.V. (Vdc)	6.3	10	16	25	35
	S.V. (Vdc)	8	13	20	32	44
	Tan δ	0.24	0.20	0.16	0.14	0.12
Low Temperature Stability Impedance Ratio @ 120Hz	Z-40°C/Z+20°C	3	2	2	2	2
	Z-55°C/Z+20°C	5	4	4	3	3
Load Life Test at Rated W.V. +105°C 1,000 Hours	Capacitance Change	Within ±25% of initial measured value				
	Tan δ	Less than 200% of specified maximum value				
	Leakage Current	Less than specified maximum value				

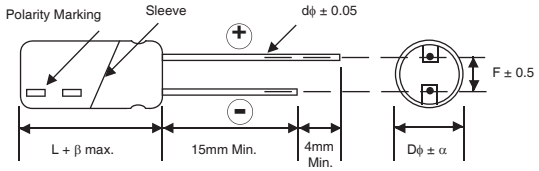
STANDARD PRODUCTS, CASE SIZES AND SPECIFICATIONS Dϕ x L (mm)

Part Number	Cap (µF)	W.V (Vdc)	Max. Z (Ω) 100KHz & 20°C	Max. Ripple Current (mA) 100KHz & 105°C	Load Life Hours @ +105°C
NSRZ101M6.3V6.3x5F	100	6.3	0.44	230	1000
NSRZ181M6.3V6.3x5F	180		0.47	230	1000
NSRZ680M10V6.3x5F	68	10	0.44	230	1000
NSRZ121M10V6.3x5F	120		0.47	230	1000
NSRZ470M16V6.3x5F	47	16	0.44	230	1000
NSRZ680M16V6.3x5F	68		0.44	230	1000
NSRZ121M16V6.3x5F	120		0.47	230	1000
NSRZ330M25V6.3x5F	33	25	0.44	230	1000
NSRZ470M25V6.3x5F	47		0.47	230	1000
NSRZ330M35V6.3x5F	33	35	0.44	230	1000

LEAD SPACING AND DIAMETER (mm)

Case Dia. (Dϕ)	6.3
Lead Dia. (dϕ)	0.45
Lead Spacing (F)	2.5
Dim. α	0.5
Dim. β	1.0

DIMENSIONS (mm)



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

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**