

Miniature Aluminum Electrolytic Capacitors

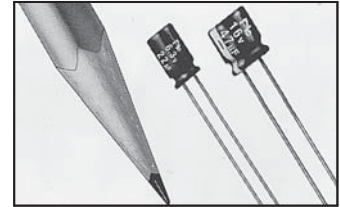
NSRZ Series

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



CHARACTERISTICS

Rated Voltage Range	6.3 ~ 35Vdc					
Capacitance Range	33 ~ 180 μ F					
Operating Temperature Range	-55 ~ +105 $^{\circ}$ C					
Capacitance Tolerance	\pm 20%(M)					
Max. Leakage Current After 1 minutes At +20 $^{\circ}$ C	0.01CV or 3 μ A, whichever is greater					
Max. Tan δ @ 120Hz/+20 $^{\circ}$ 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 $^{\circ}$ C/Z+20 $^{\circ}$ C	3	2	2	2	2
	Z-55 $^{\circ}$ C/Z+20 $^{\circ}$ C	5	4	4	3	3
Load Life Test at Rated W.V. +105 $^{\circ}$ C 1,000 Hours	Capacitance Change	Within \pm 25% of initial measured value				
	Tan δ	Less than 200% of specified maximum value				
	Leakage Current	Less than specified maximum value				

*See Part Number System for Details

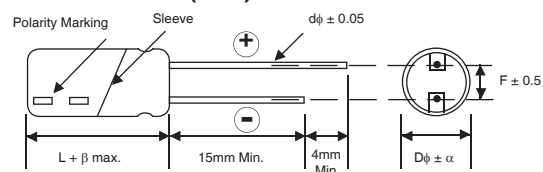
STANDARD PRODUCTS, CASE SIZES AND SPECIFICATIONS D ϕ x L (mm)

Part Number	Cap (μ F)	W.V (Vdc)	Max. Z (Ω) 100KHz & 20 $^{\circ}$ C	Max. Ripple Current (mA) 100KHz & 105 $^{\circ}$ C	Load Life Hours @ +105 $^{\circ}$ 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
NSRZ121M10V6.3x5F	120	0.47		230	1000
NSRZ470M16V6.3x5F	47	16		0.44	230
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

LEAD SPACING AND DIAMETER (mm)

Case Dia. (D ϕ)	6.3
Lead Dia. (d ϕ)	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



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