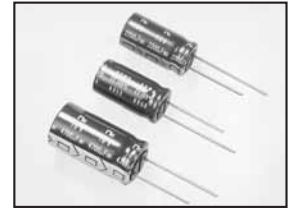


Aluminum Electrolytic Capacitors

NRE-WX Series

ULTRA HIGH TEMPERATURE, RADIAL LEADS, POLARIZED ALUMINUM ELECTROLYTIC CAPACITORS

RoHS Compliant
includes all homogeneous materials



FEATURES

- HIGH TEMPERATURE 150°C
- CAPACITANCE VALUES (UP TO 1,000μF)
- IDEAL FOR ELECTRONIC BALLAST & POWER SUPPLIES

*See Part Number System for Details

CHARACTERISTICS

Rated Voltage Range		16 ~ 50Vdc			
Rated Capacitance Range		330 ~ 1,000μF			
Operating Temperature Range		-40°C ~ +150°C			
Capacitance Tolerance		±20% (M)			
Max. Leakage Current After 5 Minutes		0.01CV or 3μA whichever is greater			
Maximum Tanδ @120Hz/20°C		16	25	35	50
		0.16	-	0.12	0.12
Low Temperature Stability (Impedance Ratio @ 120Hz)	Z -25°C/+20°C	2	-	2	2
	Z -40°C/+20°C	4	-	4	4
Load Life @ 150°C 1,000 hours	Capacitance Change	Within ±30% of initial measured value			
	Tan δ	Less than 300% of specified value			
	Leakage Current	Less than the specified maximum value			

STANDARD PRODUCT AND CASE SIZES TABLE Dφ x L (mm)

Cap. μF	Cap. Code	Working Voltage (Vdc)				
		16	25	35	50	
330	331	-	-	-	12.5 x 25	
470	471	-	-	12.5 x 25	-	
1,000	102	12.5 x 25	-	-	-	

LEAD SPACING AND DIAMETER (mm)

Case Dia. (Dφ)	12.5
Lead Space (F)	5.0
Lead Dia. (dφ)	0.6
Dim. α	1.0

PART NUMBERING SYSTEM

NRE-WX 331 M 50V 12.5X25 TB E

RoHS Compliant

TB = Tape & Box*

Case Size (Dφ x L)

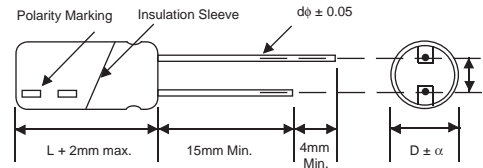
Working Voltage (Vdc)

Tolerance Code (M=20%)

Capacitance Code: First 2 characters significant, third character is multiplier

Series

*see tape specification for details



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

STANDARD VALUES, SPECIFICATIONS AND CASE SIZES (mm)

Part Number	Cap. (μF)	W.V. (Vdc)	Dissipation Factor +20°C/120Hz	Ripple Current Rating (mA) +150°C/100KHz	Max. ESR (Ω) +20°C/120Hz	Load Life Hours @+150°C
NRE-WX102M16V12.5 x 25F	1000	16	0.16	750	0.266	1,000
NRE-WX471M35V12.5 x 25F	470	35	0.12	750	0.424	1,000
NRE-WX331M50V12.5 x 25F	330	50	0.12	500	0.604	1,000

RIPPLE CURRENT FREQUENCY CORRECTION FACTOR

Capacitance Value	50Hz	120Hz	1KHz	10KHz	100KHz
330μF ~ 1000μF	0.40	0.50	0.80	0.95	1.00

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

