

Aluminum Electrolytic Capacitors

NRE-WX Series

ULTRA HIGH TEMPERATURE, RADIAL LEADS, POLARIZED ALUMINUM ELECTROLYTIC CAPACITORS

FEATURES

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

RoHS Compliant
includes all homogeneous materials

*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
		Z -40°C/+20°C	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		

RIPPLE CURRENT RATING (mA rms 100KHz AND 150°C)

Cap. µF	Working Voltage (Vdc)			
	16	25	35	50
330	-	-	-	500
470	-	-	750	-
1,000	750	-	-	-

RIPPLE CURRENT FREQUENCY CORRECTION FACTOR (10VDC ~ 63VDC)

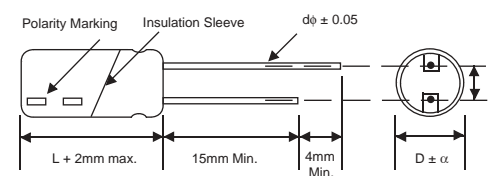
Capacitance Value	50Hz	120Hz	1KHz	10KHz	100KHz
330µF ~ 1000µF	0.40	0.50	0.80	0.95	1.00

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

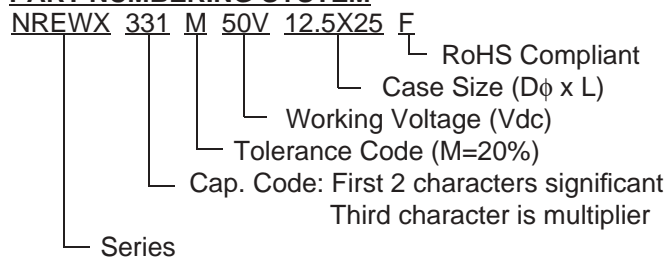
Cap. µF	Cap. Code	Working Voltage (Vdc)			
		16	25	35	50
330	331	-	-	-	12.5 x 25
470	471	-	-	12.5 x 25	-
1,000	102	12.5 x 25	-	-	-

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



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

