

ULTRA HIGH TEMPERATURE, RADIAL LEADS, POLARIZED ALUMINUM ELECTROLYTIC CAPACITORS

**RoHS
Compliant**

includes all homogeneous materials

*See Part Number System for Details



FEATURES

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

CHARACTERISTICS

Rated Voltage Range		10 ~ 63Vdc					
Rated Capacitance Range		47 ~ 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		10	16	25	35	50	63
		0.20	0.16	0.14	0.12	0.12	0.11
Low Temperature Stability (Impedance Ratio @ 120Hz)		Z -25°C/+20°C		2	2	2	2
		Z -40°C/+20°C		4	4	4	4
Load Life @ 150°C 1,000 hours 10mm & 12.5mm diameter		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)					
	10	16	25	35	50	63
47	-	-	-	-	-	220
100	-	-	-	370	300	350
220	-	-	370	460	400	-
330	-	370	460	600	500	-
470	370	460	600	750	-	-
1,000	600	750	-	-	-	-

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

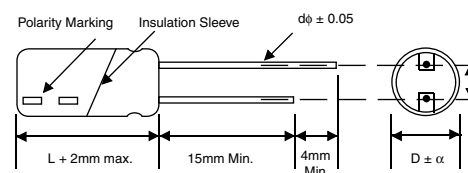
Capacitance Value	50Hz	120Hz	1KHz	10KHz	100KHz
47μF ~ 220μF	0.30	0.40	0.75	0.92	1.00
330μF ~ 1000μF	0.40	0.50	0.80	0.95	1.00
2,200μF ~ 4,700μF	0.55	0.65	0.85	0.98	1.00

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

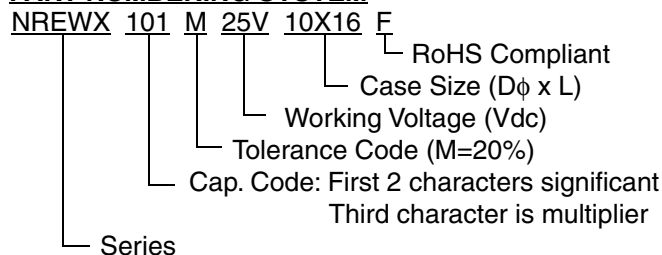
Cap. μF	Cap. Code	Working Voltage (Vdc)					
		10	16	25	35	50	63
47	470	-	-	-	-	-	10 x 16
100	101	-	-	-	10 x 16	10 x 20	12.5 x 20
220	221	-	-	10 x 16	10 x 20	12.5 x 20	-
330	331	-	10 x 16	10 x 20	12.5 x 20	12.5 x 25	-
470	471	10 x 16	10 x 20	12.5 x 25	12.5 x 25	-	-
1,000	102	12.5 x 20	12.5 x 25	-	-	-	-

LEAD SPACING AND DIAMETER (mm)

Case Dia. (Dφ)	10	12.5
Lead Space (F)	5.0	
Lead Dia. (dφ)	0.6	
Dim. α	0.5	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

