

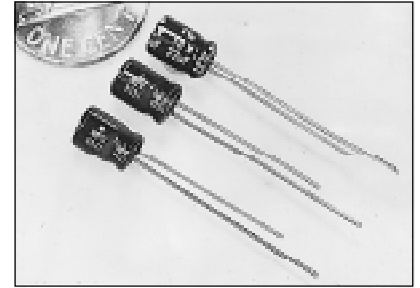
LOW PROFILE, SUB-MINIATURE, RADIAL LEADS,
NON-POLAR ALUMINUM ELECTROLYTIC

FEATURES

- BI-POLAR
- 7mm HEIGHT / LOW PROFILE

CHARACTERISTICS

Rated Voltage Range	6.3 ~ 50Vdc						
Rated Capacitance Range	0.1 ~ 47μF						
Operating Temperature Range	-40~+85°C						
Max. Leakage Current After 1 minute At 20°C	0.05CV or 10μA, whichever is greater						
Surge Voltage & Max. Tan δ	W.V. (Vdc)	6.3	10	16	25	35	50
	S.V. (Vdc)	8	13	20	32	44	63
	Tan δ at 120Hz/20°C	0.24	0.20	0.16	0.16	0.14	0.12
Low Temperature Stability (Impedance Ratio At 120Hz)	W.V. (Vdc)	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	4	3	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	4	3	3
Load Life Test 85°C 1,000 Hours (reversing polarity every 250 hours)	Capacitance Change	Within ± 25% of initial measured value					
	Tan δ	Less than 200% of specified value					
	Leakage Current	Less than specified value					



STANDARD PRODUCTS AND CASE SIZE TABLE Dφ x L (mm)

Cap. (μF)	Code	Working Voltage (Vdc)					
		6.3	10	16	25	35	50
0.1	R10						4x7
0.22	R22						4x7
0.33	R33						4x7
0.47	R47						4x7
1.0	1R0						4x7
2.2	2R2					4x7	5x7
3.3	3R3				4x7	5x7	5x7
4.7	4R7				4x7	5x7	6.3x7
10	100		4x7	4x7	5x7	6.3x7	6.3x7
22	220	5x7	5x7	6.3x7	6.3x7		
33	330	5x7	6.3x7	6.3x7			
47	470	6.3x7	6.3x7	6.3x7			

MAXIMUM PERMISSIBLE RIPPLE CURRENT (mA rms) AT 120Hz AND 85°C

Cap (μF)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						1.0
0.22						2.5
0.33						3.5
0.47						5.0
1.0						10
2.2					10	14
3.3				16	16	20
4.7				20	22	27
10		24	30	35	37	34
22	31	40	51	53		
33	42	56	63			
47	55	67				

MAXIMUM ESR (Ω) AT 120Hz AND 20°C

Cap (μF)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						1990
0.22						905
0.33						604
0.47						424
1.0						199
2.2					105.6	90.5
3.3				80.4	70.4	60.4
4.7			56.5	56.5	49.4	42.4
10			26.6	26.6	23.2	
22		15.1	9.09	9.09		
33	12.1	10.1	8.05			
47	8.47	7.06	5.65			

Case Dia. (D Ø)	4	5	6.3
Lead Space (F)	1.5	2.0	2.5
Lead Dia. (d Ø)	0.45	0.45	0.45

NRE-SN 101 M 25V 8X11 E

— Series

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

Tolerance Code (M=20%)

Working Voltage (Vdc)

Case Size (Dφ x L)

Lead Free

