

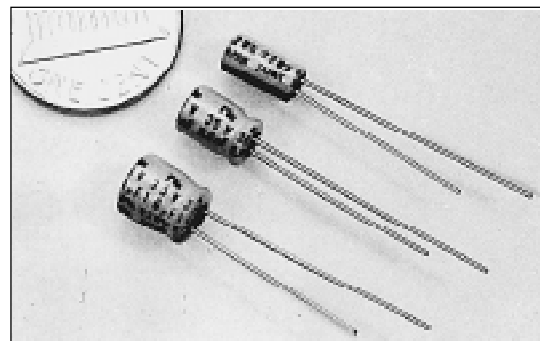
SUPER LOW PROFILE, LOW LEAKAGE, RADIAL LEADS, POLARIZED, ALUMINUM ELECTROLYTIC CAPACITORS

FEATURES

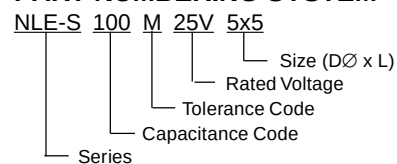
- LOW LEAKAGE CURRENT
- 5mm HEIGHT
- AVAILABLE ON TAPE FOR AUTOMATIC INSERTION

CHARACTERISTICS

Rated Voltage Range	6.3 ~ 50Vdc						
Capacitance Range	0.1 ~ 100 μ F						
Operating Temperature Range	-40~+85°C						
Capacitance Tolerance	$\pm 20\%$ (M)						
Max. Leakage Current After 1 minute At 20°C	0.002CV, or 0.4 μ A, 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	0.14	0.12	0.10
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	6	4	3	3
Load Life Test 85°C 1,000 Hours	Capacitance Change	Within $\pm 20\%$ of initial measured value					
	Tan δ	Less than 200% of specified value					
	Leakage Current	Less than specified value					



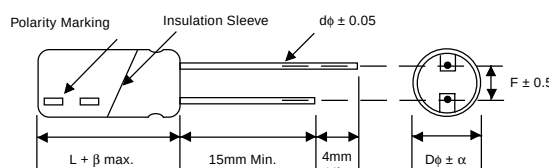
PART NUMBERING SYSTEM



STANDARD VALUES AND CASE SIZES (mm)

Cap. (μ F)	Code	Working Voltage (Vdc)					
		6.3	10	16	25	35	50
0.1	R10						4 x 5
0.22	R22						4 x 5
0.33	R33						4 x 5
0.47	R47						4 x 5
1.0	1R0						4 x 5
2.2	2R2						4 x 5
3.3	3R3						4 x 5
4.7	4R7				4 x 5	4 x 5	5 x 5
10	100			4 x 5	5 x 5	5 x 5	6.3 x 5
22	220	4 x 5	5 x 5	5 x 5	6.3 x 5	6.3 x 5	
33	330	5 x 5	5 x 5	6.3 x 5	6.3 x 5		
47	470	5 x 5	6.3 x 5	6.3 x 5			
100	101	6.3 x 5					

DIMENSIONS: (mm)



SLEEVE COLOR: LIGHT GREEN

LEAD SPACING AND DIAMETER (mm)

Case Dia. (D ϕ)	4	5	6.3
Leads Dia. (d ϕ)	0.45	0.45	0.45
Lead Spacing (F)	1.5	2.0	2.5
Dim. α	0.5	0.5	0.5
Dim. β	1.0	1.0	1.0

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

Cap. (μ F)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						1.0
0.22						2.0
0.33						2.8
0.47						4.0
1.0						4.0
2.2						8.5
3.3						13
4.7				16	18	17
10			23	27	29	20
22	28	33	37	42	46	33
33	37	41	49	52		
47	45	52	58			
100	70					

MAXIMUM E.S.R. (Ω AT 20°C AND 120Hz)

Cap. (μ F)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						1660
0.22						755
0.33						503
0.47						353
1.0						166
2.2						75.5
3.3						50.3
4.7				49.4	42.4	35.3
10			26.6	23.3	19.9	16.6
22	18.1	15.1	12.1	10.6	9.05	
33	12.1	10.1	8.05	7.04		
47	8.47	7.06	5.64			
100	3.98					

