

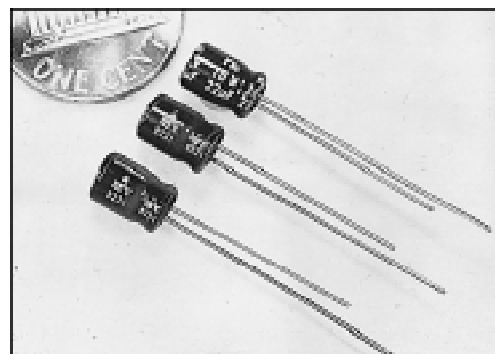
**SUPER LOW PROFILE, WIDE TEMPERATURE,
RADIAL LEADS, POLARIZED**

FEATURES

- 5mm MAX. HEIGHT
- EXTENDED TEMPERATURE -55 TO +105°C

CHARACTERISTICS

Rated Working Voltage Range	6.3 ~ 50Vdc						
Capacitance Range	0.1 ~ 100μF						
Operating Temperature Range	-55°C~+105°C						
Capacitance Tolerance	±20% (M)						
Max. Leakage Current After 2 minutes At 20°C	0.01CV or 3μA Whichever is greater						
Surge Voltage & Dissipation Factor (Tan δ)	W.V. (Vdc)	6.3	10	16	25	35	50
	S.V. (Vdc)	8	13	20	32	44	63
	Tan δ @ 120Hz	0.26	0.22	0.16	0.14	0.12	0.10
Low Temperature Stability (Impedance Ratio @ 120Hz)	W.V. (Vdc)	6.3	10	16	25	35	50
	Z-40°C/Z+20°C	4	3	2	2	2	2
	Z-55°C/Z+20°C	6	5	4	3	3	3
Life Test @ +105°C 1,000 hours	Capacitance Change	Within ±25% of initial value					
	Dissipation Factor	Less than 200% of specified maximum value					
	Leakage Current	Less than specified maximum value					



LEADED

MAXIMUM PERMISSIBLE RIPPLE

CURRENT (mA rms) AT 120Hz AND 105°C

Cap (μF)	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						166
3.3						75.5
4.7				49.4	42.4	35.3
10			26.6	23.3	19.9	16.6
22	19.6	16.6	12.1	10.6	9.1	
33	13.1	11.1	8.1	7.1		
47	9.2	7.8	5.7			
100	4.4					

STANDARD PRODUCTS AND CASE SIZE TABLE Dφ x L

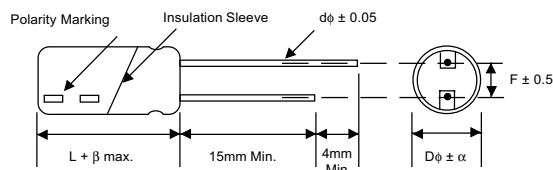
Cap(μF)	Code	Working Voltage (Vdc)					
		6.3	10	16	25	35	50
0.1	R10						4 x 5
0.22	R22						4 x 5
0.33	R33						4 x 5
0.47	R47						4 x 5
1.0	1R0						4 x 5
2.2	2R2						4 x 5
3.3	3R3						4 x 5
4.7	4R7				4 x 5	4 x 5	5 x 5
10	100			4 x 5	5 x 5	5 x 5	6.3 x 5
22	220	4 x 5	5 x 5	5 x 5	6.3 x 5	6.3 x 5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

MAXIMUM E.S.R. (Ω) 20°C AND 120Hz

Cap (μF)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						0.7
0.22						1.6
0.33						2.5
0.47						3.5
1.0						7.0
2.2						11
3.3						13
4.7				14	14	16
10			18	20	21	24
22	22	25	27	36	38	
33	27	30	40	44		
47	33	41	48			
100	50					

LEAD SPACING AND DIAMETER (mm)

Case Dia. (Dφ)	4	5	6.3
Leads Dia. (dφ)	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



SLEEVE COLOR: DARK BROWN