

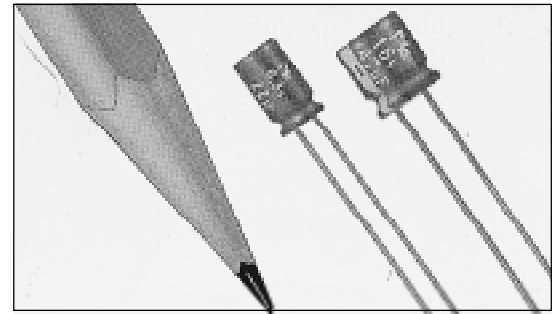
LOW IMPEDANCE, SUBMINIATURE, RADIAL LEADS, POLARIZED ALUMINUM ELECTROLYTIC CAPACITORS

### FEATURES

- VERY LOW IMPEDANCE AT HIGH FREQUENCY
- LOW PROFILE 7mm HEIGHT
- WIDE TEMPERATURE, -55°C~ +105°C

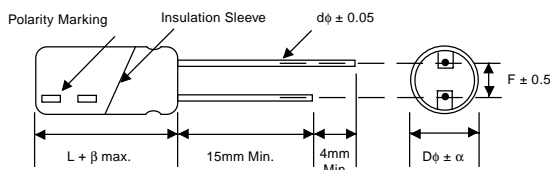
### CHARACTERISTICS

Rated Voltage Range	6.3 ~ 35Vdc					
Rated Capacitance Range	0.47 ~ 330 $\mu$ F					
Operating Temperature Range	-55~+105°C					
Max. Leakage Current After 1 minute At 20°C	0.01CV or 3 $\mu$ A, whichever is greater					
Surge Voltage & Max. Tan $\delta$	W.V. (Vdc)	6.3	10	16	25	35
	S.V. (Vdc)	8	13	20	32	44
	Tan $\delta$ @ 120Hz/20°C	0.24	0.20	0.16	0.14	0.12
Low Temperature Stability (Impedance Ratio @ 120Hz)	W.V. (Vdc)	6.3	10	16	25	35
	Z-40°C/Z+20°C	3	2	2	2	2
	Z-55°C/Z+20°C	5	4	4	3	3
Load Life Test 105°C 1,000 Hours	Capacitance Change	Within $\pm$ 25% of initial measured value				
	Tan $\delta$	Less than 200% of specified value				
	Leakage Current	Less than specified value				



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### DIMENSIONS in (mm)



SLEEVE COLOR: DARK BROWN

### LEAD SPACING AND DIAMETER (mm)

Case Dia. (D $\phi$ )	4	5	6.3
Leads Dia. (d $\phi$ )	0.45	0.45	0.45
Lead Spacing (F)	1.5	2.0	2.5
Dim. $\alpha$	0.5	0.5	0.5
Dim. $\beta$	1.0	1.0	1.0

### STANDARD PRODUCTS TABLE: D $\phi$ x L(mm)

Cap ( $\mu$ F)	Code	Working Voltage				
		6.3	10	16	25	35
4.7	4R7					4x7
10	100				4x7	5x7
15	150			4x7	5x7	6.3x7
22	220		5x7	5x7	5x7	6.3x7
33	330		5x7		6.3x7	6.3x7
47	470	5x7	6.3x7	6.3x7	6.3x7	6.3x7
68	680				6.3x7	
100	101		6.3x7	6.3x7	6.3x7	
150	151		6.3x7	6.3x7		
220	221	6.3x7	6.3x7	6.3x7		
330	331	6.3x7				

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### STANDARD PRODUCT LIST

W.V. (Vdc)	Cap (μF)	Code	Case Size DØ xL(mm)	Max. Z(Ω) 100kHz & 20°C	Max. Ripple Current (mA) 100kHz & 105°C
6.3	22	220	4x7	2.8	75
	33	330	5x7	1.15	120
	47	470	5x7	1.15	120
	100	101	6.3x7	0.65	180
10	22	220	5x7	1.15	120
	33	330	5x7	1.15	120
	47	470	6.3x7	0.65	180
	56	560	6.3x7	0.65	180
	68	680	6.3x7	0.65	180
	100	101	6.3x7	0.80	140
16	10	100	4x7	2.8	75
	15	150	5x7	1.35	105
	22	220	5x7	1.15	120
	33	330	6.3x7	0.65	180
	47	470	6.3x7	0.65	180
	56	560	6.3x7	0.65	180
	68	680	6.3x7	0.65	180
	100	101	6.3x7	0.65	180

W.V. (Vdc)	Cap (μF)	Code	Case Size DØ xL(mm)	Max. Z(Ω) 100kHz & 20°C	Max. Ripple Current (mA) 100kHz & 105°C
25	4.7	4R7	4x7	2.8	75
	6.8	6R8	4x7	2.8	75
	10	100	5x7	1.15	120
	15	150	5x7	1.15	120
	22	220	6.3x7	0.65	180
	33	330	6.3x7	0.65	180
	39	390	6.3x7	0.65	180
	47	470	6.3x7	0.65	180
	68	680	6.3x7	0.29	280
	100	101	6.3x7	0.29	280
35	0.47	R47	4x7	6.5	50
	1.0	1R9	4x7	3.6	60
	2.2	2R2	4x7	3.0	70
	3.3	3R3	4x7	2.8	75
	4.7	4R7	4x7	2.8	75
	6.8	6R8	4x7	2.8	75
	10	100	5x7	1.15	120
	15	150	6.3x7	0.65	180
	22	220	6.3x7	0.65	180
	33	330	6.3x7	0.65	180

### PART NUMBERING SYSTEM

