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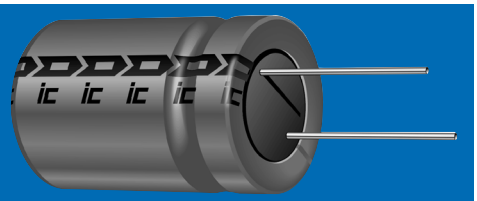
Radial Lead Aluminum Polymer Electrolytic Capacitors



High Ripple Current at High Frequencies

FEATURES

- *Low Impedance*
- *High Current*
- *High Frequency*
- *Long Life*
- *High Temperatures*
- *RoHS Compliant*

SPECIFICATIONS

Operating Temperature Range		**-55°C to +105°C**					
Capacitance Tolerance		**±20% at 120Hz, 20°C**					
Surge Voltage	**WVDC**	**2.5**	**4**	**6.3**	**10**	**16**	
	SVDC	2.8	4.6	7.2	11.5	18.4	
Dissipation Factor 120Hz, 20°C	**WVDC**	**2.5**	**4**	**6.3**	**10**	**16**	
	tan δ	See Parts Listing					
Leakage Current		**2 minutes**					
		See Parts Listing					
Impedance Ratio (Max)@120Hz.	**Rated WVDC**	**2.5**	**4**	**6.3**	**10**	**16**	
	-55°C / +20°C	.75 to 1.25					
	+105°C / +20°C	.75 to 1.25					
Load Life		**2,000 hours at rated voltage and +105°C**					
	Capacitance change	≤20% of initial measured value					
	Dissipation factor	≤150% of initial specified value					
	Leakage current	≤100% of initial specified value					
Shelf Life		**1,000 hours at rated voltage and +105°C**					
	Capacitance change	≤20% of initial measured value					
	Dissipation factor	≤150% of initial specified value					
	Leakage current	≤100% of initial specified value					
Moisture Resistance Under No Load Test		**1,000 hours at 60°C with 90-95% relative humidity**					
	Capacitance change	≤20% of initially measured value					
	Dissipation factor	≤150% of maximum specified value					
	Leakage current	≤100% of maximum specified value					

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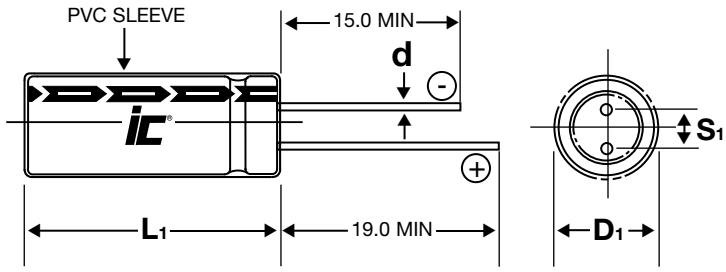
PHYSICAL DIMENSIONS

WVDC (SV) / (µF)	2.5 (2.8)	4 (4.6)	6.3 (7.2)	10 (11.5)	16 (18.4)
100					8x8
150					8x8
180					8x8 8x9.5
220				8x8	
270				8x8 8x9.5	
330			8x8 8x9.5		10x8 10x9.5
390			8x8		
470			8x8	10x9.5 8x8	10x12.5
560	8x8	8x8 8x9.5	10x9.5 8x8		
680	8x8 8x9.5	8x8	8x8	10x8	
820	8x8	10x9.5 8x8	10x8	10x8	
1000	10x9.5 8x8	8x8	10x8	10x12.5	
1200	8x8	10x8			
1500	10x8	10x8			
1800	10x8				
2200	10x8				
2700	10x12.5				

Convert to inches, divide by 25.4 **DxL(mm)**



LEAD INFORMATION V.S. CASE DIAMETER

D	S	L1	d
8±0.5	3.5±0.5	L+1.5	.6±0.05
10±0.5	5.0±0.5	L+1.5	.6±0.05

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STANDARD PART LISTING

Capacitance (µF)	WVDC	IC PART NUMBER	tan δ	Maximum ESR Ω 120Hz, +20°C	Leakage Current (µA) Max.	Maximum RMS Ripple Current (mA) +105°C 100kHz	Dimensions DxL (mm)
100	16	**107AFB016M**	0.05	20	320	4000	8x8
150	16	**157AFB016M**	0.05	17	480	4000	8x8
180	16	**187AFB016M**	0.12	25	576	4400	8x9.5
180	16	**187AFB016MJJ**	0.05	15	576	4400	8x8
220	10	**227AFB010M**	0.05	12	440	4000	8x8
270	10	**277AFB010M**	0.12	22	540	4500	8x9.5
270	10	**277AFB010MJJ**	0.05	10	540	4500	8x8
330	6.3	**337AFB6R3M**	0.12	17	416	4800	8x9.5
330	6.3	**337AFB6R3MJJ**	0.06	8	416	5500	8x8
330	16	**337AFB016M**	0.12	12	1056	5100	10x9.5
330	16	**337AFB016MLJ**	0.05	12	1056	5100	10x8
390	6.3	**397AFB6R3M**	0.06	8	491	5500	8x8
470	6.3	**477AFB6R3M**	0.06	8	592	5500	8x8
470	10	**477AFB010M**	0.12	10	940	5300	10x9.5
470	10	**477AFB010MJJ**	0.05	10	940	4800	8x8
470	16	**477AFB016M**	0.05	12	1504	5500	10x12.5
560	2.5	**567AFB2R5M**	0.06	8	280	5500	8x8
560	4	**567AFB004M**	0.12	17	448	4800	8x9.5
560	4	**567AFB004MJJ**	0.06	8	448	5500	8x8
560	6.3	**567AFB6R3M**	0.12	8	706	5500	10x9.5
560	6.3	**567AFB6R3MJJ**	0.06	8	706	5500	8x8
680	2.5	**687AFB2R5M**	0.12	17	340	4800	8x9.5
680	2.5	**687AFB2R5MJJ**	0.06	8	340	5500	8x8
680	4	**687AFB004M**	0.06	8	544	5500	8x8
680	6.3	**687AFB6R3M**	0.06	8	857	5500	8x8
680	10	**687AFB010M**	0.06	8	1360	5500	10x8
820	2.5	**827AFB2R5M**	0.06	8	410	5500	8x8
820	4	**827AFB004M**	0.12	8	656	5500	10x9.5
820	4	**827AFB004MJJ**	0.06	8	656	5500	8x8
820	6.3	**827AFB6R3M**	0.06	7	1033	6100	10x8
820	10	**827AFB010M**	0.06	8	1640	5500	10x8
1000	2.5	**108AFB2R5M**	0.12	8	500	5500	10x9.5
1000	2.5	**108AFB2R5MJJ**	0.06	8	500	5500	8x8
1000	4	**108AFB004M**	0.06	8	800	5500	8x8
1000	6.3	**108AFB6R3M**	0.06	7	1260	6100	10x8
1000	10	**108AFB010M**	0.05	7	2000	5800	10x12.5
1200	2.5	**128AFB2R5M**	0.06	8	600	5500	8x8
1200	4	**128AFB004M**	0.06	7	960	6100	10x8
1500	2.5	**158AFB2R5M**	0.06	7	1200	6100	10x8
1500	4	**158AFB004M**	0.06	7	750	6100	10x8
1800	2.5	**188AFB2R5M**	0.06	7	900	6100	10x8
2200	2.5	**228AFB2R5M**	0.06	7	1100	6100	10x8
2700	2.5	**278AFB2R5M**	0.06	6	1350	6400	10x12.5