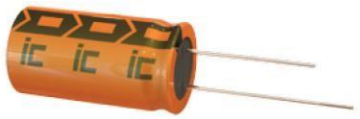
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Radial Lead Aluminum Electrolytic Capacitors

Very Long Life



FEATURES	High Temperature - High Voltage – Long Life (10k Hrs)
APPLICATIONS	Switching Power Supplies – Electronic Ballasts

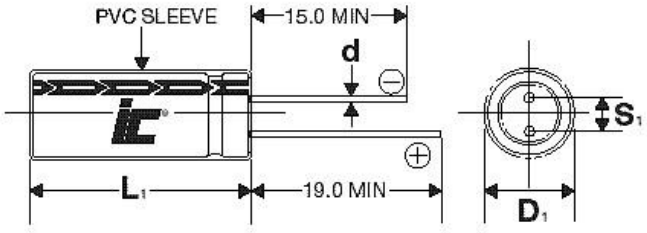
Operating Temperature Range		**-40°C to +105°C**					
Capacitance Tolerance		±20% at 120 Hz, 20°C					
Surge Voltage	**WVDC**	**160**	**200**	**250**	**350**	**400**	**450**
	SVDC	200	250	300	400	450	500
Dissipation Factor 120 Hz, 20°C	**WVDC**	**160**	**200**	**250**	**350**	**400**	**450**
	tan δ	.15	.15	.15	.2	.2	.2
Leakage Current		2 Minutes					
		.02CV+10uA					

Low Temperature Stability Impedance Ratio (120 Hz)	**Rated WVDC**	**160 to 250**	**350 to 400**	**450**
	-40°C to +20°C	6	7	9

Load Life	**10000 hours with rated voltage applied at 105°C**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤200% of maximum specified value
	Leakage Current	≤100% of maximum specified value
Shelf Life	**1000 hours at 105°C with no voltage applied**	
	Capacitance Change	≤20% of initial measured value
	Dissipation Factor	≤200% of maximum specified value
	Leakage Current	≤100% of maximum specified value

Ripple Current Multipliers	**Frequency (Hz)**				
	50	**120**	**1k**	**10k**	**100k**
	0.4	0.5	0.8	0.9	1.0

Special Order Options



D	6.3	8	10	12.5	16	18
S	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.6	0.6	0.6	0.8	0.8

L_1=L+1.5 mm Max. (L<20mm) mm
L_1=L+2.0 mm Max. (L>20mm)
D_1=D+0.5 mm Max.
S_1=S+0.5 mm

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+105°C, High Frequency Low Impedance/ESR,8000 to 10000 hours

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
160	15	156KFM160MGU	16.5786	290	10x12.5
160	18	186KFM160MFBW	13.8155	310	8x16
160	22	226KFM160MFJG	11.304	390	8x20
160	27	276KFM160MGBW	9.2104	410	10x16
160	33	336KFM160M	7.5357	530	10x20
160	33	336KFM160MTBD	7.5357	570	12.5x30
160	39	396KFM160MGJD	5.2911	590	10x25
160	39	396KFM160MTBD	5.2911	590	12.5x15
160	47	476KFM160MGJD	5.2911	610	10x25
160	56	566KFM160MFDG	4.4407	740	8x50
160	56	566KFM160MTJG	4.4407	740	12.5x20
160	68	686KFM160MTJG	3.657	800	12.5x20
160	82	826KFM160MTJD	3.0327	830	12.5x25
160	100	107KFM160MGDG	2.4868	1210	10x50
160	100	107KFM160MKJG	2.4868	1120	16x20
160	120	127KFM160MKJD	2.0723	1240	16x25
160	150	157KFM160MTDG	1.658	1280	12.5x50
160	150	157KFM160MKAG	1.658	1280	16x30
160	180	187KFM160MKAG	1.3816	1360	16x30
160	220	227KFM160M	1.13	1410	16x31.5
160	220	227KFM160MRV	1.13	1400	18x25
160	220	227KFM160MLAG	1.13	1410	18x30
160	270	277KFM160MLAD	0.92104	1500	18x35
160	330	337KFM160MLCG	0.7536	1590	18x40
200	3.9	395KFM200MFH	63.764	105	8x11.5
200	10	106KFM200MFBJ	24.868	175	8x12
200	10	106KFM200M	24.868	250	10x16
200	12	126KFM200MFBW	20.7233	190	8x16
200	15	156KFM200MFBW	16.5786	360	8x16
200	22	226KFM200MGBW	11.304	390	10x16
200	22	226KFM200M	11.304	410	10x20
200	27	276KFM200MGJG	9.2104	410	10x20
200	33	336KFM200MGJD	7.5357	530	10x25
200	39	396KFM200MTJG	5.2911	620	12.5x30
200	47	476KFM200MFDG	5.2911	650	8x50
200	47	476KFM200M	5.2911	630	12.5x20
200	56	566KFM200MGDG	4.4407	670	10x50
200	56	566KFM200MTJD	4.4407	670	12.5x25
200	68	686KFM200M	3.657	760	12.5x25
200	68	686KFM200MQU	3.657	760	16x20
200	82	826KFM200MKJD	3.0327	860	16x25
200	100	107KFM200M	2.487	930	16x25
200	120	127KFM200MKAG	2.487	1090	16x35
200	150	157KFM200M	1.658	1360	16x31.5
200	150	157KFM200MKAD	1.658	1125	16x35
200	150	157KFM200MRV	1.658	1360	18x25
200	180	187KFM200MLAG	1.3816	1340	18x30
200	220	227KFM200M	1.13	1700	18x31.5
200	220	227KFM200MLAD	1.13	1420	18x35
250	2.7	275KFM250MEBB	1.13	90	6.3x11
250	5.6	565KFM250MFH	44.4071	150	8x11.5
250	6.8	685KFM250MFH	36.5705	160	8x11.5
250	10	106KFM250MFBW	24.868	250	8x16
250	10	106KFM250MGU	24.868	250	10x12.5
250	15	156KFM250MFJG	16.5786	380	8x20
250	15	156KFM250MGBW	16.5786	390	10x16
250	18	186KFM250MGBW	13.8155	410	10x16
250	22	226KFM250MGJG	11.304	475	10x20

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WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
250	33	336KFM250MFDG	7.5357	570	8x50
250	33	336KFM250M	7.5357	570	12.5x20
250	47	476KFM250M	5.2911	650	12.5x25
250	47	476KFM250MTJD	5.2911	650	12.5x25
250	47	476KFM250MQU	5.2911	720	16x20
250	56	566KFM250MTAG	4.4407	750	12.5x30
250	68	686KFM250MGDG	3.657	870	10x50
250	68	686KFM250MTAG	3.657	870	12.5x30
250	68	686KFM250M	3.657	920	16x25
250	68	686KFM250MRU	3.657	920	18x20
250	82	826KFM250MFG	3.0327	910	8x10
250	100	107KFM250MTDG	2.487	980	12.5x50
250	100	107KFM250M	2.487	960	16x31.5
250	100	107KFM250MRV	2.487	1200	18x25
250	120	127KFM250MLAG	2.0723	1210	18x30
250	150	157KFM250M	1.658	1400	18x31.5
250	180	187KFM250MLAD	1.3816	1540	18x35
250	220	227KFM250MLCG	1.13	1620	18x40
350	2.2	225KFM350MEBB	150.715	70	6.3x11
350	6.8	685KFM350MGU	48.7607	170	10x12.5
350	8.2	825KFM400MGBW	40.4357	252	10x16
350	10	106KFM350MGBW	33.1573	250	10x16
350	15	156KFM350MGJD	22.1049	340	10x25
350	15	156KFM350MTBD	22.1049	340	12.5x15
350	18	186KFM350MGJD	18.4207	430	10x25
350	22	226KFM350M	15.0715	475	12.5x20
350	33	336KFM350MTJD	10.0477	570	12.5x25
350	33	336KFM350M	10.0477	500	16x20
350	47	476KFM350M	7.0547	800	16x25
350	47	476KFM350MRU	7.0547	660	18x20
350	68	686KFM350MTDG	4.8761	880	12.5x50
350	68	686KFM350M	4.8761	850	16x31.5
350	68	686KFM350MRV	4.8761	880	18x25
350	82	826KFM350MLAG	4.0436	940	18x30
350	100	107KFM350MLAD	3.3157	1120	18x35
350	120	127KFM350MLAD	2.7631	1200	18x35
400	1.5	155KFM400MEBB	221.048	75	6.3x11
400	1.8	185KFM400MEBB	184.207	85	6.3x11
400	2.2	225KFM400MFH	150.715	90	8x11.5
400	2.7	275KFM400MFH	122.805	95	8x11.5
400	3.3	335KFM400MFH	100.477	100	8x11.5
400	3.9	395KFM400MFH	85.0187	105	8x11.5
400	4.7	475KFM400MFH	70.5474	110	8x11.5
400	4.7	475KFM400MFBW	70.5474	115	8x16
400	5.6	565KFM400MFBW	59.2094	160	8x16
400	5.6	565KFM400MGU	59.2094	180	10x12.5
400	6.8	685KFM400MFJG	48.7607	180	8x30
400	6.8	685KFM400M	48.7607	220	10x16
400	8.2	825KFM450MGJG	40.4357	265	10x20
400	10	106KFM400M	33.1573	288	10x20
400	18	186KFM400MTJG	18.4207	470	12.5x20
400	22	226KFM400MFDG	15.0715	475	8x50
400	22	226KFM400M	15.0715	475	12.5x25
400	22	226KFM400MQU	15.0715	430	16x20
400	33	336KFM400M	10.0477	610	16x25
400	33	336KFM400MRU	10.0477	640	18x20
400	47	476KFM400M	7.0547	840	16x31.5
400	47	476KFM400MRV	7.0547	795	18x25

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+105°C, High Frequency Low Impedance/ESR,8000 to 10000 hours

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
400	56	566KFM400MTDG	5.92095	820	12.5x50
400	56	66KFM400MKAG	5.9209	820	16x30
400	68	686KFM400M	4.8761	910	18x31.5
400	82	826KFM400MKCG	4.0436	980	16x40
400	82	826KFM400MLAD	4.0436	980	18x35
400	100	107KFM400MLCG	3.3157	1100	18x40
450	1	105KFM450MEBB	331.573	50	6.3x11
450	1.5	155KFM450MFH	221.048	80	8x11.5
450	1.8	185KFM450MFH	184.207	85	8x11.5
450	2.2	225KFM450MFBW	150.715	95	8x16
450	2.7	275KFM450MFBW	122.805	100	8x16
450	3.3	335KFM450MFBW	100.477	110	8x16
450	3.9	395KFM450MFBW	85.0187	120	8x16
450	4.7	475KFM450MFJG	70.5474	150	8x20
450	4.8	475KFM450MGBW	70.5474	150	10x16
450	5.6	565KFM450MFJG	59.2094	180	8x20
450	5.6	565KFM450MGBW	59.2094	180	10x16
450	6.8	685KFM450MGBW	48.7607	220	10x16
450	6.8	685KFM450M	48.7607	150	10x20
450	8.2	825KFM350MFJG	40.4357	240	8x20
450	10	106KFM450MGJD	33.1573	305	10x25
450	10	106KFM450M	33.1573	305	12.5x20
450	15	156KFM450MFDG	22.1049	400	8x50
450	15	156KFM450MTJG	22.1049	400	12.5x20
450	18	186KFM450MTJD	18.4207	470	12.5x25
450	22	226KFM450MGCG	15.0715	550	10x40
450	22	226KFM450MKJG	15.0715	550	16x20
450	22	226KFM450M	15.0715	560	16x25
450	22	226KFM450MRU	15.0715	560	18x20
450	33	336KFM450MGDG	10.0477	665	10x50
450	33	336KFM450MKJD	10.0477	665	16x25
450	33	336KFM450M	10.0477	700	16x31.5
450	33	336KFM450MRV	10.0477	700	18x25
450	47	476KFM450MTDG	7.0547	730	12.5x50
450	47	476KFM450MKAD	7.0547	730	16x35
450	47	476KFM450M	7.0547	880	18x31.5
450	56	566KFM450MKAD	5.9209	750	16x35
450	68	686KFM450M	4.8761	1120	18x35.5
450	82	826KFM450MLCG	4.0436	1030	18x40

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