



Radial Lead Aluminum Electrolytic Capacitors

+105°C Low Impedance

FEATURES

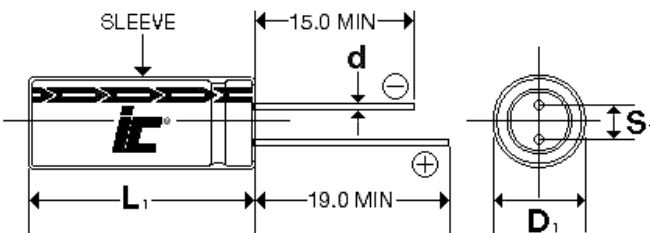
Standardized Case Sizes - High Ripple Current - Multiple Case Sizes

APPLICATIONS

Bypass - Coupling - Filtering - De-Coupling

Operating Temperature Range		-55°C to +105°C							
Capacitance Tolerance		+20% at 120 Hz, 20°C							
Surge Voltage	WVDC	6.3	10	16	25	35	50	63	100
	SVDC	7.9	13	20	32	44	63	79	125
Dissipation Factor	WVDC	6.3	10	16	25	35	50	63	100
	Tan δ	.22	.19	.16	.14	.12	.1	.1	.1
Leakage Current		Add .02 for every 1000uF above 1000uF							
Low Temperature Stability Impedance Ratio (120 Hz)		2 Minutes .01CV or 3uA, Whichever is greater							
Low Temperature Stability Impedance Ratio (120 Hz)	WVDC	6.3	10	16	25	35	50	63	100
	-25°C to +20°C	4	3	2	2	2	2	2	2
	-40°C to +20°C	8	6	4	3	3	3	3	3
Load Life		5000 hours at 105°C with rated WVDC and ripple current applied (4000 hrs. for D=10, 3000 hrs. for D=8, 2000 hrs. for D≤6.3)							
		Capacitance Change	≤25% 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	≤25% initial measured value						
		Dissipation Factor	≤200% of maximum specified value						
		Leakage Current	≤100% of maximum specified value						
Ripple Current Multipliers		Frequency (Hz)							
		Capacitance	50	120	1k	10k	100k		
		C≤180	.4	.4	.75	.9	1.0		
		220<C≤560	.5	.5	.85	.94	1.0		
		680<C≤1800	.6	.6	.87	.95	1.0		
		2200<C≤3900	.75	.75	.9	.95	1.0		
		C≥4700	.85	.85	.95	.98	1.0		

Special Order Options



D	5	6.3	8	10	12.5	16	18
S	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8

L₁=L+1.5 mm Max. (L<20mm)
L₁=L+2.0 mm Max. (L>20mm)
D₁=D+0.5 mm Max.
S₁=S+0.5 mm

Americas / EU
Phone: 1-508-996-8561
Email: cdena@cde.com



Asia
Phone: 852-2793-0931
Email: cdeasia@cde.com

KXM

+105°C, High Voltage Low Impedance Long Life, 5000 hours

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Impedance Ω +20°C/-10°C, 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
63	22	226KXM063M	7.5357	0.5/1.06	250	6.3x11
63	27	276KXM063M	6.1402	0.43/0.86	240	6.3x11
63	33	336KXM063M	5.0238	0.36/0.72	308	6.3x15
63	39	396KXM063M	4.2509	0.31/0.62	325	6.3x15
63	47	476KXM063M	3.5274	0.22/0.81	480	8x11.5
63	56	566KXM063MJP	2.9605	0.22/0.44	460	8x16
63	56	566KXM063M	2.9605	0.24/0.48	445	10x12.5
63	68	686KXM063MJP	2.438	0.18/0.36	510	8x16
63	68	686KXM063M	2.438	0.2/0.4	500	10x12.5
63	82	826KXM063MJU	2.0218	0.17/0.34	600	8x20
63	82	826KXM063M	2.0218	0.16/0.32	580	10x15
63	100	107KXM063M	1.6579	0.13/0.26	748	10x20
63	100	107KXM063MNP	1.6579	0.15/0.3	700	12.5x15
63	120	127KXM063M	1.3816	0.11/0.22	820	10x20
63	120	127KXM063MNP	1.3816	0.125/0.15	755	12.5x15
63	150	157KXM063M	1.1052	0.092/0.184	940	10x25
63	150	157KXM063MNP	1.1052	0.095/0.19	847	12.5x15
63	180	187KXM063M	0.921	0.077/0.154	1100	10x30
63	180	187KXM063MQP	0.921	0.082/0.164	1025	16x15
63	220	227KXM063M	0.6029	0.067/0.134	1145	12.5x20
63	220	227KXM063MQP	0.6029	0.072/0.144	1125	16x15
63	270	277KXM063M	0.614	0.056/0.112	1350	12.5x25
63	270	277KXM063MRP	0.614	0.06/0.12	1300	18x15
63	330	337KXM063M	0.5024	0.05/0.1	1425	12.5x25
63	330	337KXM063MRP	0.5024	0.051/0.102	1400	18x15
63	390	397KXM063M	0.4251	0.044/0.088	1625	12.5x30
63	390	397KXM063MQU	0.4251	0.047/0.094	1500	16x20
63	470	477KXM063M	0.3527	0.04/0.08	1785	12.5x35
63	470	477KXM063MQV	0.3527	0.042/0.084	1700	16x25
63	560	567KXM063M	0.296	0.036/0.072	1950	12.5x40
63	560	567KXM063MRU	0.296	0.04/0.08	1725	18x20
63	680	687KXM063M	0.195	0.033/0.066	2050	16x30
63	680	687KXM063MRV	0.195	0.036/0.072	1950	18x25
63	820	827KXM063M	0.2022	0.03/0.06	2225	16x35
63	820	827KXM063MRW	0.2022	0.032/0.064	2100	18x30
63	1000	108KXM063M	0.1658	0.028/0.056	2375	16x40
63	1000	108KXM063MRY	0.1658	0.03/0.06	2280	18x35
63	1200	128KXM063M	0.1243	0.026/0.052	2500	18x40
100	1	105KXM100M	132.629	17/46	26	5x11
100	1.5	155KXM100M	88.419	10/27	33	5x11
100	2.2	225KXM100M	75.3575	6.8/18.36	45	5x11
100	3.3	335KXM100M	40.191	4.15/11.205	55	5x11

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Impedance Ω +20°C/-10°C, 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
100	4.7	475KXM100M	35.2737	3/8.1	70	6.3x11
100	6.8	685KXM100M	24.38	2/5.4	85	6.3x11
100	10	106KXM100M	16.579	1/3.375	150	6.3x11
100	12	126KXM100M	11.0524	1/2.7	115	6.3x11
100	15	156KXM100M	8.842	0.82/2.214	132	6.3x15
100	18	186KXM100M	7.3683	0.39/1.863	155	6.3x15
100	22	226KXM100M	7.5357	0.8/1.54	370	8x11.5
100	27	276KXM100MJP	6.1402	0.48/1.3	280	8x16
100	27	276KXM100M	6.1402	0.05/1.4	270	10x12.5
100	33	336KXM100MJP	5.0238	0.4/1.08	300	8x16
100	33	336KXM100M	5.0238	0.44/1.19	295	10x12.5
100	39	396KXM100MJU	4.2509	0.34/0.92	350	8x20
100	39	396KXM100M	4.2509	0.38/1.03	340	10x15
100	47	476KXM100M	3.5274	0.3/0.81	420	10x20
100	47	476KXM100MNP	3.5274	0.33/0.89	400	12.5x15
100	56	566KXM100M	2.9605	0.25/0.675	455	10x20
100	56	566KXM100MNP	2.9605	0.29/0.78	430	12.5x15
100	68	686KXM100M	2.438	0.22/0.594	530	10x25
100	68	686KXM100MNP	2.438	0.25/0.675	465	12.5x15
100	82	826KXM100M	2.0218	0.2/0.54	610	10x30
100	82	826KXM100MQP	2.0218	0.21/0.567	680	16x15
100	100	107KXM100M	1.6579	0.16/0.432	660	10x30
100	100	107KXM100MQP	1.6579	0.18/0.486	715	16x15
100	120	127KXM100M	1.3816	0.135/0.351	770	12.5x25
100	120	127KXM100MQP	1.3816	0.15/0.405	795	16x15
100	150	157KXM100M	1.1052	0.12/0.324	800	12.5x25
100	150	157KXM100MRP	1.1052	0.13/0.351	915	18x15
100	180	187KXM100M	0.921	0.1/0.27	900	12.5x30
100	180	187KXM100MQU	0.921	0.11/0.3	995	16x20
100	220	227KXM100M	0.6029	0.088/0.238	1000	12.5x35
100	220	227KXM100MQV	0.6029	0.094/0.254	1150	16x25
100	270	277KXM100M	0.614	0.074/0.2	1110	12.5x40
100	270	277KXM100MRU	0.614	0.082/0.221	1225	18x20
100	330	337KXM100M	0.5024	0.065/0.176	1520	16x30
100	330	337KXM100MRV	0.5024	0.072/0.194	1425	18x25
100	390	397KXM100M	0.4251	0.055/0.149	1725	16x35
100	390	397KXM100MRW	0.4251	0.063/0.17	1600	18x30
100	470	477KXM100M	0.3527	0.049/0.132	1920	16x40
100	470	477KXM100MRY	0.3527	0.056/0.157	1775	18x35
100	560	567KXM100M	0.296	0.043/0.116	2050	18x35
100	680	687KXM100M	0.195	0.038/0.103	2300	18x40

Americas / EU
 Phone: 1-508-996-8561
 Email: cdena@cde.com



CORNELL DUBILIER



Asia
 Phone: 852-2793-0931
 Email: cdeasia@cde.com