

LMX

+105°C 5000 hour Snap mount Aluminum Electrolytic Capacitors



Features

- Standard case sizes
- Multiple case sizes
- Lead free leads
- High ripple current

Applications

- Bypass
- Coupling
- Filtering
- De-coupling

Specifications

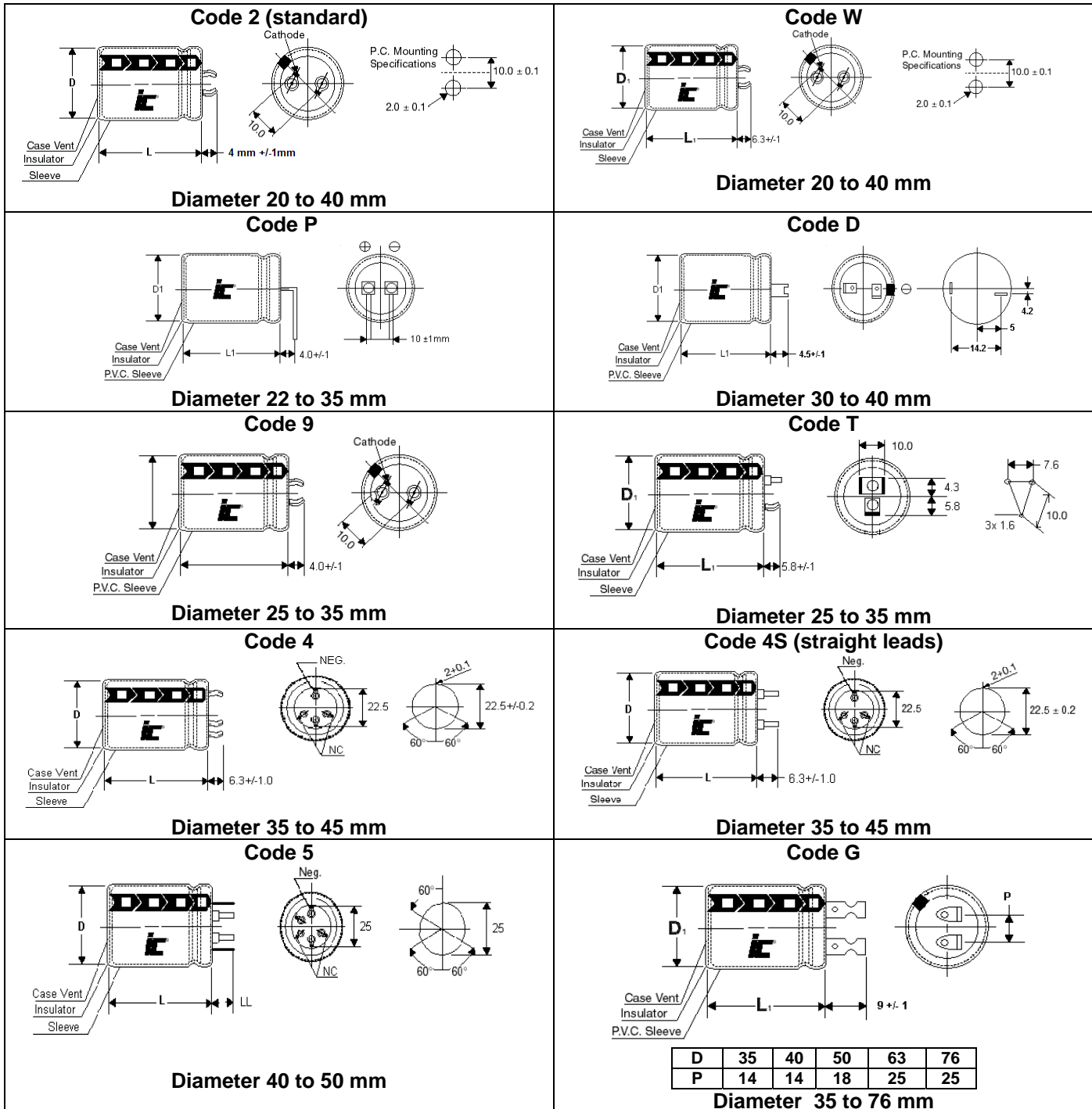
Operating Temperature Range		-25°C to +105°C									
Capacitance Tolerance		+20% at 120 Hz, 20°C									
Surge voltage	WVDC	200	250	400	450						
	SVDC	250	300	450	500						
Dissipation Factor	WVDC	200	250	400	450						
	Tan δ	.15	.15	.15	.15						
Leakage current		5 Minutes									
		.02CV or 3000uA, Whichever is greater									
Low temperature stability Impedance ratio (120 Hz)	WVDC	200	250	400	450						
	-25°C to +20°C	4	4	6	6						
Load Life		5000 hours at 105°C with rated WVDC and ripple current applied									
		Capacitance change		≤20% of initial measured value							
		Dissipation factor		≤175% 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		≤175% of maximum specified value							
		Leakage current		≤100% of maximum specified value							
Ripple Current Multipliers		Frequency (Hz)					Temperature (°C)				
		60	120	400	1k	10k	+105	+85	+70	+60	+45
		.8	1.0	1.1	1.3	1.4	1	1.8	2	2.2	2.5



LMX

105°C 5000 hour snap-mount aluminum electrolytic capacitors

Lead Style Options



Capacitance (µF)	VWDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
47	450	476LMX450M2BC	5.291	0.39	22x25
56	450	566LMX450M2BC	4.441	0.42	22x25
56	450	566LMX450M2BD	4.441	0.46	22x30
68	400	686LMX400M2BC	3.657	0.47	22x25
68	450	686LMX450M2BD	3.657	0.5	22x30
68	450	686LMX450M2BE	3.657	0.54	22x35
68	450	686LMX450M2CC	3.657	0.5	25x25
82	400	826LMX400M2BC	3.033	0.52	22x25
82	400	826LMX400M2BD	3.033	0.56	22x30
82	450	826LMX450M2BD	3.033	0.55	22x30
82	450	826LMX450M2BE	3.033	0.59	22x35
82	450	826LMX450M2CC	3.033	0.55	25x25
82	450	826LMX450M2CD	3.033	0.6	25x30
100	400	107LMX400M2CD	2.487	0.66	25x30
100	400	107LMX400M2BD	2.487	0.62	22x30
100	400	107LMX400M2BE	2.487	0.66	22x35
100	400	107LMX400M2CC	2.487	0.62	25x25
100	450	107LMX450M2BE	2.487	0.65	22x35
100	450	107LMX450M2BF	2.487	0.69	22x40
100	450	107LMX450M2CD	2.487	0.66	25x30
100	450	107LMX450M2CE	2.487	0.7	25x35
100	450	107LMX450M2DC	2.487	0.68	30x25
120	400	127LMX400M2BE	2.072	0.72	22x35
120	400	127LMX400M2BF	2.072	0.76	22x40
120	400	127LMX400M2CD	2.072	0.73	25x30
120	400	127LMX400M2CE	2.072	0.77	25x35
120	400	127LMX400M2DC	2.072	0.75	30x25
120	450	127LMX450M2BF	2.072	0.76	22x40
120	450	127LMX450M2DD	2.072	0.8	30x30
120	450	127LMX450M2EC	2.072	0.82	35x25
120	450	127LMX450M2BH	2.072	0.84	22x50
120	450	127LMX450M2CE	2.072	0.77	25x35
120	450	127LMX450M2CF	2.072	0.81	25x40
120	450	127LMX450M2DC	2.072	0.75	30x25
150	250	157LMX250M2BC	1.658	0.69	22x25
150	400	157LMX400M2CD	1.658	0.81	25x30
150	400	157LMX400M2CF	1.658	0.92	25x40
150	400	157LMX400M2DC	1.658	0.84	30x25
150	400	157LMX400M2DD	1.658	0.9	30x30
150	400	157LMX400M2BF	1.658	0.85	22x40
150	400	157LMX400M2BG	1.658	0.9	22x45
150	450	157LMX450M2BH	1.658	0.94	22x50
150	450	157LMX450M2CF	1.658	0.91	25x40
150	450	157LMX450M2CG	1.658	0.96	25x45
150	450	157LMX450M2DD	1.658	0.9	30x30
150	450	157LMX450M2DE	1.658	0.96	30x35
150	450	157LMX450M2ED	1.658	0.99	35x30
180	250	187LMX250M2BC	1.382	0.76	22x25
180	250	187LMX250M2BD	1.382	0.82	22x30
180	250	187LMX250M2CC	1.382	0.82	25x25
180	400	187LMX400M2CE	1.382	0.95	25x35
180	400	187LMX400M2CF	1.382	1.06	25x40
180	400	187LMX400M2DD	1.382	0.99	30x30
180	400	187LMX400M2DE	1.382	1.06	30x35
180	400	187LMX400M2BG	1.382	0.98	22x45
180	400	187LMX400M2BH	1.382	1.03	22x50
180	400	187LMX400M2EC	1.382	1.01	35x25
180	450	187LMX450M2CG	1.382	1.05	25x45

Capacitance (µF)	VWDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
180	450	187LMX450M2DE	1.382	1.05	30x35
180	450	187LMX450M2DF	1.382	1.11	30x40
180	450	187LMX450M2ED	1.382	1.08	35x30
220	200	227LMX200M2BC	1.13	0.85	22x25
220	250	227LMX250M2BD	1.13	0.91	22x30
220	250	227LMX250M2BE	1.13	0.97	22x35
220	250	227LMX250M2CD	1.13	0.98	25x30
220	400	227LMX400M2BH	1.13	1.14	22x50
220	400	227LMX400M2ED	1.13	1.2	35x30
220	400	227LMX400M2CF	1.13	1.11	25x40
220	400	227LMX400M2CH	1.13	1.22	25x50
220	400	227LMX400M2DD	1.13	1.09	30x30
220	400	227LMX400M2DE	1.13	1.16	30x35
220	450	227LMX450M2ED	1.13	1.19	35x30
220	450	227LMX450M2EE	1.13	1.27	35x35
220	450	227LMX450M2DF	1.13	1.22	30x40
220	450	227LMX450M2DG	1.13	1.29	30x45
270	200	277LMX200M2BD	0.921	1.02	22x30
270	200	277LMX200M2CC	0.921	1.02	25x25
270	250	277LMX250M2BD	0.921	1.01	22x30
270	250	277LMX250M2CD	0.921	1.08	25x30
270	250	277LMX250M2BE	0.921	1.07	22x35
270	250	277LMX250M2CC	0.921	1.01	25x25
270	400	277LMX400M2CG	0.921	1.29	25x45
270	400	277LMX400M2DE	0.921	1.29	30x35
270	400	277LMX400M2DG	0.921	1.43	30x45
270	400	277LMX400M2ED	0.921	1.33	35x30
270	400	277LMX400M2EE	0.921	1.41	35x35
270	450	277LMX450M2DG	0.921	1.43	30x45
270	450	277LMX450M2DH	0.921	1.49	30x50
270	450	277LMX450M2EE	0.921	1.41	35x35
270	450	277LMX450M2EF	0.921	1.48	35x40
330	200	337LMX200M2BD	0.754	1.12	22x30
330	200	337LMX200M2BE	0.754	1.2	22x35
330	200	337LMX200M2CC	0.754	1.12	25x25
330	200	337LMX200M2CD	0.754	1.21	25x30
330	250	337LMX250M2BE	0.754	1.19	22x35
330	250	337LMX250M2BF	0.754	1.26	22x40
330	250	337LMX250M2CD	0.754	1.2	25x30
330	250	337LMX250M2CE	0.754	1.28	25x35
330	250	337LMX250M2DC	0.754	1.24	30x25
330	400	337LMX400M2EE	0.754	1.56	35x35
330	400	337LMX400M2EF	0.754	1.65	35x40
330	400	337LMX400M2DF	0.754	1.51	30x40
330	400	337LMX400M2DH	0.754	1.66	30x50
330	450	337LMX450M2DH	0.754	1.65	30x50
330	450	337LMX450M2EF	0.754	1.64	35x40
330	450	337LMX450M2EG	0.754	1.72	35x45
390	200	397LMX200M2BE	0.638	1.31	22x35
390	200	397LMX200M2DC	0.638	1.37	30x25
390	200	397LMX200M2CD	0.638	1.32	25x30
390	200	397LMX200M2CE	0.638	1.4	25x35
390	250	397LMX250M2DD	0.638	1.45	30x30
390	250	397LMX250M2DE	0.638	1.54	30x35
390	250	397LMX250M2BF	0.638	1.37	22x40
390	250	397LMX250M2BG	0.638	1.44	22x45
390	250	397LMX250M2CE	0.638	1.39	25x35
390	250	397LMX250M2CF	0.638	1.47	25x40

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
390	400	397LMX400M2EG	0.638	1.88	35x45
390	400	397LMX400M2DG	0.638	1.72	30x45
390	400	397LMX400M2EE	0.638	1.7	35x35
390	450	397LMX450M2EG	0.638	1.87	35x45
470	200	477LMX200M2DD	0.529	1.61	30x30
470	200	477LMX200M2BG	0.529	1.6	22x45
470	200	477LMX200M2CD	0.529	1.45	25x30
470	200	477LMX200M2BF	0.529	1.52	22x40
470	200	477LMX200M2CE	0.529	1.54	25x35
470	200	477LMX200M2DC	0.529	1.5	30x25
470	250	477LMX250M2BH	0.529	1.66	22x50
470	250	477LMX250M2CF	0.529	1.61	25x40
470	250	477LMX250M2CG	0.529	1.7	25x45
470	250	477LMX250M2DD	0.529	1.59	30x30
470	250	477LMX250M2DE	0.529	1.69	30x35
470	250	477LMX250M2EC	0.529	1.63	35x25
470	400	477LMX400M2EH	0.529	2.16	35x50
470	400	477LMX400M2EF	0.529	1.97	35x40
560	200	567LMX200M2CF	0.444	1.78	25x40
560	200	567LMX200M2DD	0.444	1.76	30x30
560	200	567LMX200M2BG	0.444	1.75	22x45
560	200	567LMX200M2BH	0.444	1.83	22x50
560	200	567LMX200M2CE	0.444	1.68	25x35
560	200	567LMX200M2DE	0.444	1.87	30x35
560	250	567LMX250M2CG	0.444	1.85	25x45
560	250	567LMX250M2DE	0.444	1.85	30x35
560	250	567LMX250M2DF	0.444	1.95	30x40
560	250	567LMX250M2ED	0.444	1.91	35x30
560	400	567LMX400M2EG	0.444	2.26	35x45
680	200	687LMX200M2CF	0.366	1.96	25x40

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
680	200	687LMX200M2CH	0.366	2.16	25x50
680	200	687LMX200M2DD	0.366	1.94	30x30
680	200	687LMX200M2DE	0.366	2.06	30x35
680	200	687LMX200M2EC	0.366	1.98	35x25
680	250	687LMX250M2DG	0.366	2.26	30x45
680	250	687LMX250M2ED	0.366	2.1	35x30
680	250	687LMX250M2CH	0.366	1.94	25x50
680	250	687LMX250M2DF	0.366	2.15	30x40
820	200	827LMX200M2CG	0.303	2.27	25x45
820	200	827LMX200M2DE	0.303	2.26	30x35
820	200	827LMX200M2DF	0.303	2.39	30x40
820	200	827LMX200M2ED	0.303	2.33	35x30
820	250	827LMX250M2DG	0.303	2.49	30x45
820	250	827LMX250M2DH	0.303	2.6	30x50
820	250	827LMX250M2EE	0.303	2.45	35x35
1000	200	108LMX200M2EE	0.249	2.74	35x35
1000	200	108LMX200M2DF	0.249	2.64	30x40
1000	200	108LMX200M2DG	0.249	2.78	30x45
1000	250	108LMX250M2DP	0.249	3	30x55
1000	250	108LMX250M2EF	0.249	2.86	35x40
1200	200	128LMX200M2EG	0.207	3.33	35x45
1200	200	128LMX200M2DG	0.207	3.04	30x45
1200	200	128LMX200M2DH	0.207	3.19	30x50
1200	200	128LMX200M2EF	0.207	3.17	35x40
1200	250	128LMX250M2EH	0.207	3.44	35x50
1200	250	128LMX250M2EP	0.207	3.58	35x55
1500	200	158LMX200M2EG	0.166	3.72	35x45
1500	200	158LMX200M2EH	0.166	3.75	35x50
1500	250	158LMX250M2EP	0.166	4	35x55
1800	200	188LMX200M2EH	0.138	4.1	35x50