

# LMH

## +105°C Long Life 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

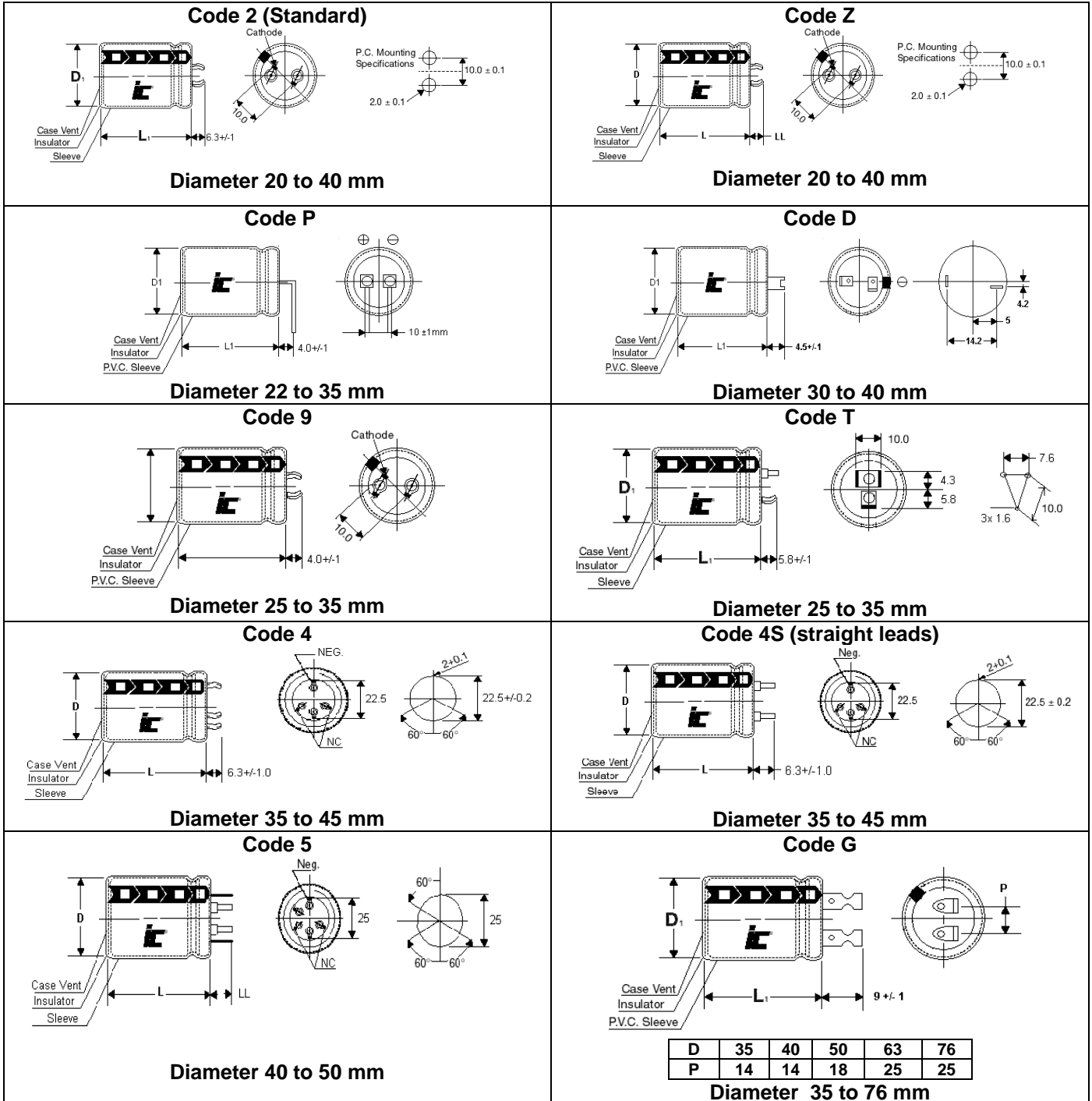
<b>Operating Temperature Range</b>		<b>-40°C to +105°C</b>									
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>									
<b>Surge voltage</b>	<b>WVDC</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>350</b>	<b>400</b>	<b>450</b>				
	<b>SVDC</b>	200	250	300	400	450	500				
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>350</b>	<b>400</b>	<b>450</b>				
	<b>Tan δ</b>	.15	.15	.15	.15	.15	.15				
<b>Leakage current</b>		<b>5 Minutes</b>									
		.02CV or 3000uA, Whichever is greater									
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>WVDC</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>350</b>	<b>400</b>	<b>450</b>				
	<b>-25°C to +20°C</b>	4	4	4	6	6	6				
<b>Load Life</b>		<b>2000 hours at 105°C with rated WVDC and ripple current applied</b>									
		<b>Capacitance change</b> <20% of initial measured value									
		<b>Dissipation factor</b> ≤175% of maximum specified value									
		<b>Leakage current</b> ≤100% of maximum specified value									
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b>									
		<b>Capacitance change</b> <20% of initial measured value									
		<b>Dissipation factor</b> ≤175% of maximum specified value									
		<b>Leakage current</b> ≤100% of maximum specified value									
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>					<b>Temperature (°C)</b>				
		<b>60</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>+105</b>	<b>+85</b>	<b>+70</b>	<b>+60</b>	<b>+45</b>
		.8	1.0	1.1	1.3	1.4	1	1.8	2	2.2	2.5



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105°C snap-mount  
aluminum electrolytic capacitors

## Lead style options



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+105°C, Long Life 2000 hrs

Capacitance (µF)	VVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
68	450	686LMH450M2BC	3657.05	0.47	22x25
82	450	826LMH450M2BD	3032.68	0.55	22x30
100	400	107LMH400M2BC	2486.8	0.61	22x25
100	450	107LMH450M2BD	2486.8	0.61	22x30
100	450	107LMH450M2CC	2486.8	0.61	25x25
120	350	127LMH350M2BC	2072.33	0.58	22x25
120	400	127LMH400M2BD	2072.33	0.72	22x30
120	450	127LMH450M2BE	2072.33	0.71	22x35
120	450	127LMH450M2CD	2072.33	0.72	25x30
150	350	157LMH160M2BD	1657.86	0.71	22x30
150	400	157LMH400M2BD	1657.86	0.8	22x30
150	400	157LMH400M2CC	1657.86	0.8	25x25
150	450	157LMH450M2DC	1657.86	0.84	30x25
150	450	157LMH450M2BF	1657.86	0.85	22x40
150	450	157LMH450M2CD	1657.86	0.81	25x30
180	350	187LMH350M2BD	1381.55	0.73	22x30
180	350	187LMH350M2CC	1381.55	0.73	25x25
180	400	187LMH400M2BE	1381.55	0.89	22x35
180	400	187LMH400M2CD	1381.55	0.9	25x30
180	450	187LMH450M2BG	1381.55	0.93	22x45
180	450	187LMH450M2CF	1381.55	0.95	25x40
180	450	187LMH450M2DD	1381.55	0.93	30x30
220	250	227LMH250M2BC	1130.62	0.89	22x25
220	350	227LMH350M2BE	1130.62	0.87	22x35
220	350	227LMH350M2CD	1130.62	0.87	25x30
220	400	227LMH400M2BG	1130.62	1.1	22x45
220	400	227LMH400M2CE	1130.62	1.06	25x35
220	400	227LMH400M2DC	1130.62	1.03	30x25
220	450	227LMH450M2CG	1130.62	1.1	25x45
220	450	227LMH450M2DD	1130.62	1.03	30x30
220	450	227LMH450M2EC	1130.62	1.06	35x25
270	250	277LMH250M2BC	921.04	0.94	22x25
270	350	277LMH350M2BF	921.04	0.96	22x40
270	350	277LMH350M2CD	921.04	0.92	25x30
270	350	277LMH350M2DC	921.04	0.95	30x25
270	400	277LMH400M2CF	921.04	1.18	25x40
270	400	277LMH400M2DD	921.04	1.16	30x30
270	400	277LMH400M2BH	921.04	1.21	22x50
270	400	277LMH400M2EC	921.04	1.19	35x25
270	450	277LMH450M2DF	921.04	1.22	30x40
270	450	277LMH450M2ED	921.04	1.19	35x30
270	450	277LMH450M2CH	921.04	1.21	25x50
330	250	337LMH250M2CC	753.58	1.12	25x25
330	250	337LMH250M2BD	753.58	1.12	22x30
330	350	337LMH350M2DD	753.58	1.13	30x30
330	350	337LMH350M2BG	753.58	1.12	22x45
330	350	337LMH350M2CF	753.58	1.15	25x50
330	400	337LMH400M2CG	753.58	1.37	25x45
330	400	337LMH400M2DE	753.58	1.37	30x35
330	400	337LMH400M2ED	753.58	1.41	35x30
330	450	337LMH450M2DG	753.58	1.42	30x45
330	450	337LMH450M2EE	753.58	1.4	35x35
390	200	397LMH200M2BC	637.64	1.29	22x25
390	250	397LMH250M2BE	637.64	1.3	22x35
390	250	397LMH250M2CC	637.64	1.21	25x25
390	350	397LMH350M2CG	637.64	1.31	25x45
390	350	397LMH350M2DE	637.64	1.31	30x35
390	400	397LMH400M2CH	637.64	1.56	25x50

Capacitance (µF)	VVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
390	400	397LMH400M2DF	637.64	1.58	30x40
390	400	397LMH400M2ED	637.64	1.54	35x30
390	450	397LMH450M2DH	637.64	1.61	30x50
390	450	397LMH450M2EF	637.64	1.6	35x40
470	160	477LMH160M2BC	529.11	1.44	22x25
470	200	477LMH200M2BD	529.11	1.44	22x30
470	250	477LMH250M2CD	529.11	1.36	25x30
470	250	477LMH250M2BF	529.11	1.42	22x40
470	350	477LMH350M2CH	529.11	1.42	25x50
470	350	477LMH350M2DE	529.11	1.36	30x35
470	350	477LMH350M2ED	529.11	1.4	35x30
470	400	477LMH400M2DG	529.11	1.72	30x45
470	400	477LMH400M2EE	529.11	1.69	35x35
470	450	477LMH450M2EG	529.11	1.75	35x45
560	200	567LMH200M2CC	444.07	1.48	25x25
560	200	567LMH200M2BD	444.07	1.48	22x30
560	250	567LMH250M2BG	444.07	1.54	22x45
560	250	567LMH250M2CE	444.07	1.49	25x35
560	250	567LMH250M2DC	444.07	1.44	30x25
560	350	567LMH350M2DG	444.07	1.55	30x45
560	350	567LMH350M2EE	444.07	1.53	35x35
560	400	567LMH400M2EF	444.07	1.84	35x40
560	400	567LMH400M2DH	444.07	1.85	30x50
560	450	567LMH450M2EH	444.07	1.88	35x50
680	160	687LMH160M2BD	365.71	1.63	22x30
680	160	687LMH160M2CE	365.71	1.63	25x25
680	200	687LMH200M2BF	365.71	1.84	22x40
680	200	687LMH200M2CD	365.71	1.75	25x30
680	250	687LMH250M2DD	365.71	1.71	30x30
680	250	687LMH250M2EC	365.71	1.75	35x25
680	250	687LMH250M2BH	365.71	1.78	22x50
680	250	687LMH250M2CF	365.71	1.73	25x40
680	350	687LMH350M2DF	365.71	1.79	30x50
680	350	687LMH350M2EH	365.71	1.78	35x40
680	400	687LMH400M2EG	365.71	2.12	35x45
820	160	827LMH160M2BE	303.27	1.84	22x35
820	160	827LMH160M2CD	303.27	1.85	25x30
820	200	827LMH200M2CE	303.27	1.98	25x35
820	200	827LMH200M2DC	303.27	1.92	30x25
820	200	827LMH200M2BG	303.27	2.05	22x45
820	250	827LMH250M2CG	303.27	1.93	25x45
820	250	827LMH250M2DE	303.27	1.92	30x35
820	250	827LMH250M2ED	303.27	1.98	35x30
820	350	827LMH350M2EG	303.27	1.97	35x45
820	400	827LMH400M2EH	303.27	2.35	35x50
1000	160	108LMH160M2BF	248.68	2.1	22x40
1000	160	108LMH160M2CE	248.68	2.13	25x35
1000	160	108LMH160M2DC	248.68	2.07	30x25
1000	200	108LMH200M2BH	248.68	2.31	22x50
1000	200	108LMH200M2CG	248.68	2.37	25x45
1000	200	108LMH200M2DD	248.68	2.22	30x30
1000	200	108LMH200M2EC	248.68	2.28	35x25
1000	200	108LMH200M2CG	248.68	2.37	25x45
1000	250	108LMH250M2DF	248.68	2.19	30x40
1000	250	108LMH250M2ED	248.68	2.13	35x30
1200	160	128LMH160M2CF	207.23	2.3	25x40
1200	160	128LMH160M2DD	207.23	2.27	30x30
1200	160	128LMH160M2EC	207.23	2.33	35x25

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+105°C, Long Life 2000 hrs

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)
1200	200	<a href="#">128LMH200M2CH</a>	207.23	2.54	25x50
1200	200	<a href="#">128LMH200M2DE</a>	207.23	2.42	30x35
1200	200	<a href="#">128LMH200M2ED</a>	207.23	2.49	35x30
1200	250	<a href="#">128LMH250M2DG</a>	207.23	2.35	30x45
1200	250	<a href="#">128LMH250M2EE</a>	207.23	2.32	35x35
1500	160	<a href="#">158LMH160M2CG</a>	165.79	2.42	25x45
1500	160	<a href="#">158LMH160M2DE</a>	165.79	2.41	30x35
1500	200	<a href="#">158LMH200M2CH</a>	165.79	2.53	25x50
1500	200	<a href="#">158LMH200M2DF</a>	165.79	2.55	30x40
1500	200	<a href="#">158LMH200M2ED</a>	165.79	2.49	35x30
1500	200	<a href="#">158LMH200M2ED</a>	165.79	2.49	35x30
1500	250	<a href="#">158LMH250M2EG</a>	165.79	2.56	35x45

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)
1800	160	<a href="#">188LMH160M2CH</a>	138.16	2.56	25x50
1800	160	<a href="#">188LMH160M2DF</a>	138.16	2.58	30x40
1800	160	<a href="#">188LMH160M2ED</a>	138.16	2.52	35x30
1800	200	<a href="#">188LMH200M2DG</a>	138.16	2.71	30x45
1800	200	<a href="#">188LMH200M2EF</a>	138.16	2.82	35x40
1800	250	<a href="#">188LMH250M2EH</a>	138.16	2.71	35x50
2200	160	<a href="#">228LMH160M2DG</a>	113.06	2.89	30x45
2200	160	<a href="#">228LMH160M2EE</a>	113.06	2.85	35x35
2200	200	<a href="#">228LMH200M2EG</a>	113.06	3.16	35x45
2700	160	<a href="#">278LMH160M2DH</a>	92.1	3.13	30x50
2700	160	<a href="#">278LMH160M2EF</a>	92.1	3.11	35x40
3300	160	<a href="#">338LMH160M2EH</a>	75.358	3.77	35x50