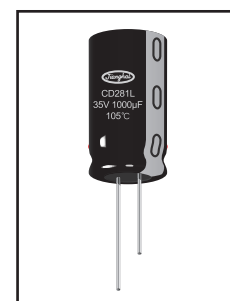
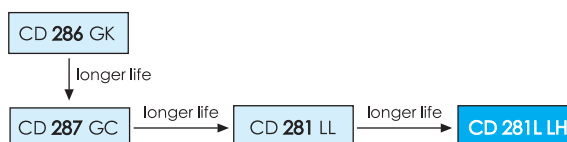


# CD 281L LH SERIES



4000 - 10000h at 105°C

- Load life with ripple current: 105°C 4000 to 10000 hours
- Ultra low impedance
- Switching power supplies
- Excellent ripple current capability
- High reliability at high temperature

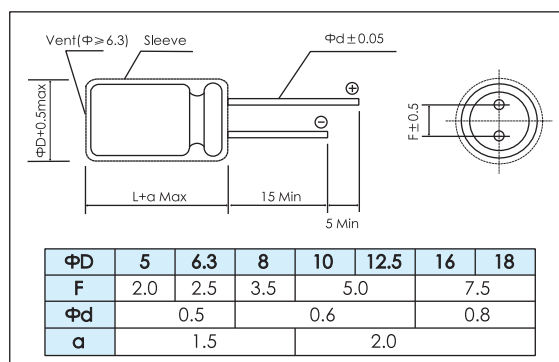


Items	Characteristics																		
Operating Temperature Range (°C)	-55 ~ +105																		
Voltage Range (V)	6.3 ~ 100																		
Capacitance Range (µF)	0.47 ~ 15000																		
Capacitance Tolerance (20°C, 120Hz)	± 20%																		
Leakage Current (µA)	After 2 minutes at 20°C application of rated voltage, leakage current is not more than 0.02CV or 3, whichever is greater. C: Nominal Capacitance (µF) V: Rated Voltage (V)																		
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100										
Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08											
For Capacitances >1000µF add 0.02 to every 1000µF																			
Stability at Low Temperature (Impedance Ratio at 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3 ~ 100</th> </tr> </thead> <tbody> <tr> <td><math>Z_{-55°C} / Z_{+20°C}</math></td> <td>3</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3 ~ 100	$Z_{-55°C} / Z_{+20°C}$	3														
	Rated Voltage (V)	6.3 ~ 100																	
$Z_{-55°C} / Z_{+20°C}$	3																		

Lifetime	Useful Life		Load Life		Endurance Test		Shelf Life
	6.3~10V	16~100V	6.3~10V	16~100V	6.3~10V	16~100V	
Φ 5-6.3	6000	7000	4000	5000	4000	5000	1000h
Φ 8-10	8000	9000	6000	7000	6000	7000	
Φ 12.5-18	10000	12000	8000	10000	8000	10000	
	≥250000h						
Leakage Current	Not more than specified value		Not more than specified value		Not more than specified value		Not more than specified value
Capacitance Change	Within ± 40% of initial value		Within ± 25% of initial value		Within ± 25% of initial value		Within ± 20% of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value		Not more than 200% of specified value		Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	$U_R$ $I_R$ 105°C	$U_R$ $1.4 \times I_R$ 40°C	$U_R$ $I_R$ 105°C	$U_R$ $I_R = 0$ 105°C	$U_R$ $I_R = 0$ 105°C	$U_R = 0$ $I_R = 0$ 105°C	After test: $U_R$ to be applied for 30min >24h before measurement

## Dimensions

mm



## Frequency Coefficient

Cap (µF)	Frequency			
	120Hz	1kHz	10kHz	100kHz
0.47 ~ 4.7	0.40	0.68	0.78	1.00
5.6 ~ 47	0.50	0.76	0.87	1.00
56 ~ 270	0.70	0.85	0.93	1.00
330 ~ 1000	0.80	0.93	0.98	1.00
1200 ~ 15000	0.90	0.95	1.00	1.00

## Temperature Coefficient

Temperature(°C)	+70	+85	+105
Coefficient	1.96	1.68	1.00

## Ratings for CD 281L LH Series

U <sub>r</sub> (Surge Voltage) Code	Rated Capa- cance	Max ESR 20°C, 120Hz	Max Imp 20°C, 100kHz	Max Imp -10°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Size Φ x L	P/N	
(V)	(μF)	(Ω)	(Ω)	(Ω)	(mAmps)	(mm)	-	
6.3 (7.2) 0J	100	2.919	0.65	1.3	175	5×11.5	ECR0JLH101M□□050011	
	150	1.946	0.46	0.92	235	5×15	ECR0JLH151M□□050015	
	220	1.327	0.3	0.6	290	6.3×11.5	ECR0JLH221M□□063011	
	330	0.885	0.2	0.4	400	6.3×15	ECR0JLH331M□□063015	
	470	0.621	0.17	0.34	488	8×11.5	ECR0JLH471M□□080011	
	680	0.429	0.13	0.26	617	8×16	ECR0JLH681M□□080016	
		0.429	0.12	0.24	613	10×12.5	ECR0JLH681M□□100012	
	820	0.356	0.095	0.19	734	10×16	ECR0JLH821M□□100016	
	1000	0.292	0.095	0.19	800	8×20	ECR0JLH102M□□080020	
	1200	0.243	0.065	0.13	1010	10×20	ECR0JLH122M□□100020	
		0.243	0.065	0.13	1010	12.5×15	ECR0JLH122M□□125015	
	1500	0.195	0.055	0.11	1190	10×25	ECR0JLH152M□□100025	
	2200	0.145	0.045	0.09	1440	10×30	ECR0JLH222M□□100030	
		0.145	0.042	0.084	1400	12.5×20	ECR0JLH222M□□125025	
	2700	0.118	0.038	0.076	1690	12.5×25	ECR0JLH272M□□125025	
		0.118	0.046	0.092	1310	16×15	ECR0JLH272M□□160015	
	3300	0.105	0.043	0.086	1460	18×15	ECR0JLH332M□□180015	
	3900	0.088	0.032	0.064	1950	12.5×30	ECR0JLH392M□□125030	
		0.079	0.028	0.056	2220	12.5×35	ECR0JLH472M□□125035	
	4700	0.079	0.034	0.068	1660	16×20	ECR0JLH472M□□160020	
		0.071	0.026	0.052	2390	12.5×40	ECR0JLH562M□□125040	
	5600	0.071	0.028	0.056	2070	16×25	ECR0JLH562M□□160025	
		0.071	0.03	0.06	1850	18×20	ECR0JLH562M□□180020	
	6800	0.062	0.025	0.05	2350	16×31.5	ECR0JLH682M□□160031	
		0.062	0.027	0.054	2120	18×25	ECR0JLH682M□□180025	
	8200	0.058	0.022	0.044	2550	16×35.5	ECR0JLH822M□□160035	
	10000	0.053	0.023	0.046	2410	18×31.5	ECR0JLH103M□□180031	
	12000	0.049	0.02	0.04	2970	16×40	ECR0JLH123M□□160040	
		0.049	0.02	0.04	2680	18×35.5	ECR0JLH123M□□180035	
	15000	0.044	0.019	0.038	3010	18×40	ECR0JLH153M□□180040	
	10 (13) 1A	82	3.075	0.65	1.3	175	5×11.5	ECR1ALH820M□□050011
		100	2.521	0.46	0.92	235	5×15	ECR1ALH101M□□050015
		180	1.401	0.3	0.6	290	6.3×11.5	ECR1ALH181M□□063011
		220	1.146	0.2	0.4	400	6.3×15	ECR1ALH221M□□063015
		330	0.764	0.17	0.34	488	8×11.5	ECR1ALH331M□□080011
470		0.536	0.13	0.26	617	8×16	ECR1ALH471M□□080016	
		0.536	0.12	0.24	613	10×12.5	ECR1ALH471M□□100012	
560		0.45	0.095	0.19	734	10×16	ECR1ALH561M□□100016	
680		0.371	0.095	0.19	800	8×20	ECR1ALH681M□□080020	
		0.252	0.065	0.13	1010	10×20	ECR1ALH102M□□100020	
1000		0.252	0.065	0.13	1010	12.5×15	ECR1ALH102M□□125015	
		0.21	0.055	0.11	1190	10×25	ECR1ALH122M□□100025	
1500		0.168	0.045	0.09	1440	10×30	ECR1ALH152M□□100030	
1800		0.14	0.042	0.084	1400	12.5×20	ECR1ALH182M□□125020	
		0.14	0.046	0.092	1310	16×15	ECR1ALH182M□□160015	
2200		0.127	0.038	0.076	1690	12.5×25	ECR1ALH222M□□125025	
		0.127	0.043	0.086	1460	18×15	ECR1ALH222M□□180015	
2700		0.103	0.032	0.064	1950	12.5×30	ECR1ALH272M□□125030	
		0.092	0.028	0.056	2220	12.5×35	ECR1ALH332M□□125035	
3300		0.092	0.034	0.068	1660	16×20	ECR1ALH332M□□160020	
		0.078	0.026	0.052	2390	12.5×40	ECR1ALH392M□□125040	
3900		0.078	0.028	0.056	2070	16×25	ECR1ALH392M□□160025	
		0.078	0.03	0.06	1850	18×20	ECR1ALH392M□□180020	
4700		0.071	0.027	0.054	2120	18×25	ECR1ALH472M□□180025	
5600		0.064	0.025	0.05	2350	16×31.5	ECR1ALH562M□□160031	
	0.057	0.022	0.044	2550	16×35.5	ECR1ALH682M□□160035		
6800	0.057	0.023	0.046	2410	18×31.5	ECR1ALH682M□□180031		
	0.053	0.02	0.04	2970	16×40	ECR1ALH822M□□160040		
8200	0.053	0.02	0.04	2680	18×35.5	ECR1ALH822M□□180035		
	0.049	0.019	0.038	3010	18×40	ECR1ALH103M□□180040		
16 (20) 1C	56	3.791	0.65	1.3	175	5×11.5	ECR1VLH560M□□050011	
	82	2.589	0.46	0.92	235	5×15	ECR1VLH820M□□050015	
	120	1.769	0.3	0.6	290	6.3×11.5	ECR1VLH121M□□063011	
	180	1.180	0.2	0.4	400	6.3×15	ECR1VLH181M□□063015	
	270	0.786	0.17	0.34	501	8×11.5	ECR1VLH271M□□080011	
	330	0.643	0.13	0.26	575	8×16	ECR1VLH331M□□080016	
		0.643	0.12	0.24	625	10×12.5	ECR1VLH331M□□100012	
	390	0.544	0.095	0.19	795	10×16	ECR1VLH391M□□100016	
	470	0.452	0.095	0.19	760	8×20	ECR1VLH471M□□080020	
	680	0.312	0.065	0.13	1010	10×20	ECR1VLH681M□□100020	
		0.312	0.065	0.13	1010	12.5×15	ECR1VLH681M□□125015	
	820	0.259	0.055	0.11	1190	10×25	ECR1VLH821M□□100025	

U <sub>r</sub> (Surge Voltage) Code	Rated Capa- cance	Max ESR 20°C, 120Hz	Max Imp 20°C, 100kHz	Max Imp -10°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Size ΦD x L	P/N	
(V)	(μF)	(Ω)	(Ω)	(Ω)	(mAmps)	(mm)	-	
16 (20) 1C	1200	0.177	0.045	0.09	1430	10×30	ECR1CLH122M□□100030	
		0.177	0.042	0.084	1400	12.5×20	ECR1CLH122M□□125020	
	1500	0.142	0.038	0.076	1690	12.5×25	ECR1CLH152M□□125025	
		0.142	0.046	0.092	1340	16×15	ECR1CLH152M□□160015	
	2200	0.142	0.043	0.086	1490	18×15	ECR1CLH152M□□180015	
		0.109	0.032	0.064	1950	12.5×30	ECR1CLH222M□□125030	
	2700	0.109	0.034	0.068	1730	16×20	ECR1CLH222M□□160020	
		0.088	0.028	0.056	2200	12.5×35	ECR1CLH272M□□125035	
	3300	0.088	0.028	0.056	2070	16×25	ECR1CLH272M□□160025	
		0.088	0.03	0.06	1870	18×20	ECR1CLH272M□□180020	
	3900	0.08	0.026	0.052	2390	12.5×40	ECR1CLH332M□□125040	
		0.068	0.025	0.05	2350	16×31.5	ECR1CLH392M□□160031	
	4700	0.068	0.027	0.054	2160	18×25	ECR1CLH392M□□180025	
		0.062	0.022	0.044	2550	16×35.5	ECR1CLH472M□□160035	
	5600	0.062	0.023	0.046	2450	18×31.5	ECR1CLH472M□□180031	
		0.057	0.02	0.04	2900	16×40	ECR1CLH562M□□160040	
	6800	0.051	0.02	0.04	2730	18×35.5	ECR1CLH682M□□180035	
	8200	0.049	0.019	0.038	3060	18×40	ECR1CLH822M□□180040	
	25 (32) 1E	39	4.763	0.65	1.3	175	5×11.5	ECR1ELH390M□□050011
		56	3.317	0.46	0.92	235	5×15	ECR1ELH560M□□050015
		82	2.266	0.3	0.6	290	6.3×11.5	ECR1ELH820M□□063011
		120	1.548	0.2	0.4	400	6.3×15	ECR1ELH472M□□063015
		180	1.032	0.17	0.34	503	8×11.5	ECR1ELH181M□□080011
		220	0.844	0.13	0.26	575	8×16	ECR1ELH221M□□080016
			0.844	0.12	0.24	629	10×12.5	ECR1ELH221M□□100012
270		0.688	0.095	0.19	795	10×16	ECR1ELH271M□□100016	
330		0.563	0.095	0.19	751	8×20	ECR1ELH331M□□080020	
470		0.395	0.065	0.13	1010	10×20	ECR1ELH471M□□100020	
		0.395	0.065	0.13	1010	12.5×15	ECR1ELH471M□□125015	
560		0.332	0.055	0.11	1190	10×25	ECR1ELH561M□□100025	
820		0.227	0.045	0.09	1440	10×30	ECR1ELH821M□□100030	
		0.227	0.042	0.084	1400	12.5×20	ECR1ELH821M□□125020	
1000		0.227	0.046	0.092	1360	16×15	ECR1ELH821M□□160015	
	0.186	0.038	0.076	1690	12.5×25	ECR1ELH102M□□125025		
1200	0.155	0.043	0.086	1500	18×15	ECR1ELH122M□□180015		
1500	0.124	0.032	0.064	1950	12.5×30	ECR1ELH152M□□125030		
	0.124	0.034	0.068	1730	16×20	ECR1ELH152M□□160020		
1800	0.103	0.028	0.056	2200	12.5×35	ECR1ELH182M□□125035		
	0.103	0.028	0.056	2070	16×25	ECR1ELH182M□□160025		
2200	0.103	0.03	0.06	1890	18×20	ECR1ELH182M□□180020		
	0.097	0.026	0.052	2390	12.5×40	ECR1ELH222M□□125040		
2700	0.079	0.025	0.05	2350	16×31.5	ECR1ELH272M□□160031		
	0.079	0.027	0.054	2180	18×25	ECR1ELH272M□□180025		
3300	0.072	0.022	0.044	2550	16×35.5	ECR1ELH332M□□160035		
	0.072	0.023	0.046	2470	18×31.5	ECR1ELH332M□□180031		
3900	0.061	0.02	0.04	2900	16×40	ECR1ELH392M□□160040		
	0.061	0.02	0.04	2740	18×35.5	ECR1ELH392M□□180035		
4700	0.056	0.019	0.038	3070	18×40	ECR1ELH472M□□180040		
35 (44) 1V	27	5.898	0.65	1.3	175	5×11.5	ECR1VLH270M□□050011	
	39	4.083	0.46	0.92	235	5×15	ECR1VLH390M□□050015	
	56	2.843	0.3	0.6	290	6.3×11.5	ECR1VLH560M□□063011	
	82	1.942	0.2	0.4	400	6.3×15	ECR1VLH820M□□063015	
	120	1.327	0.17	0.34	501	8×11.5	ECR1VLH121M□□080011	
	150	1.062	0.12	0.24	625	10×12.5	ECR1VLH151M□□100012	
	180	0.885	0.13	0.26	575	8×16	ECR1VLH181M□□080016	
		0.885	0.095	0.19	795	10×16	ECR1VLH181M□□100016	
	220	0.724	0.095	0.19	760	8×20	ECR1VLH221M□□080020	
		0.483	0.065	0.13	1010	10×20	ECR1VLH331M□□100020	
	330	0.483	0.065	0.13	1010	12.5×15	ECR1VLH331M□□125015	
		0.408	0.055	0.11	1190	10×25	ECR1VLH391M□□100025	
	390	0.284	0.045	0.09	1450	10×30	ECR1VLH561M□□100030	
		0.284	0.042	0.084	1400	12.5×20	ECR1VLH561M□□125020	
	470	0.284	0.046	0.092	1360	16×15	ECR1VLH561M□□160015	
0.234		0.038	0.076	1690	12.5×25	ECR1VLH681M□□125025		
680	0.234	0.043	0.086	1520	18×15	ECR1VLH681M□□180015		
	0.159	0.032	0.064	1950	12.5×30	ECR1VLH102M□□125030		
1000	0.159	0.034	0.068	1730	16×20	ECR1VLH102M□□160020		
	0.133	0.028	0.056	2200	12.5×35	ECR1VLH122M□□125035		
1200	0.133	0.028	0.056	2070	16×25	ECR1VLH1		

# CD 281L LH SERIES



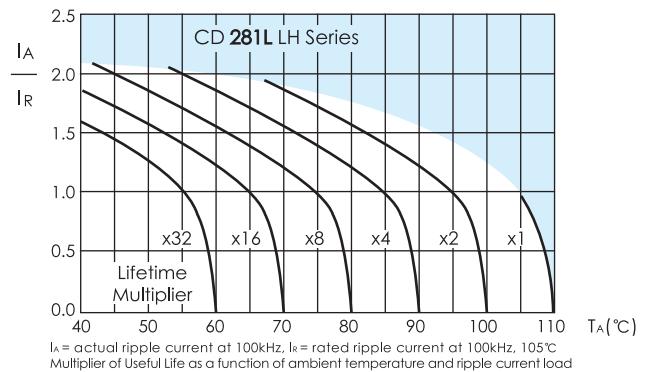
## Ratings for CD 281L LH Series

$U_r$ (Surge Voltage) Code	Rated Capa- cance	Max ESR 20°C, 120Hz	Max Imp 20°C, 100kHz	Max Imp -10°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Size ΦD x L	P/N
(V)	(μF)	(Ω)	(Ω)	(Ω)	(mA rms)	(mm)	-
35 (44) 1V	1800	0.088	0.025	0.050	2350	16×31.5	ECR1VLH182M□□160031
		0.088	0.027	0.054	2200	18×25	ECR1VLH182M□□180025
	2200	0.084	0.022	0.044	2550	16×35.5	ECR1VLH222M□□160035
		0.084	0.023	0.046	2490	18×31.5	ECR1VLH222M□□180031
	2700	0.069	0.020	0.040	2900	16×40	ECR1VLH272M□□160040
		0.069	0.020	0.040	2770	18×35.5	ECR1VLH272M□□180035
	3300	0.064	0.019	0.038	3110	18×40	ECR1VLH332M□□180040
	0.47	283	3.9	7.8	22	5×11.5	ECR1HLH47M□□050011
	1	133	3.5	7.0	36	5×11.5	ECR1HLH101M□□050011
	2.2	60.3	3.0	6.0	54	5×11.5	ECR1HLH22M□□050011
3.3	40.2	2.6	5.2	63	5×11.5	ECR1HLH33M□□050011	
4.7	28.3	2.2	4.4	75	5×11.5	ECR1HLH47M□□050011	
10	13.3	1.4	2.8	110	5×11.5	ECR1HLH100M□□050011	
18	7.372	0.95	1.9	120	5×11.5	ECR1HLH180M□□050011	
27	4.915	0.55	1.1	135	5×15	ECR1HLH270M□□050015	
39	3.402	0.36	0.72	148	6.3×11.5	ECR1HLH390M□□063011	
56	2.370	0.28	0.56	153	6.3×15	ECR1HLH560M□□063015	
68	1.951	0.20	0.40	360	8×11.5	ECR1HLH680M□□080011	
50 (63) 1H	82	1.618	0.18	0.36	460	8×16	ECR1HLH820M□□080016
		1.618	0.18	0.36	443	10×12.5	ECR1HLH820M□□100012
	100	1.327	0.15	0.30	553	10×16	ECR1HLH101M□□100016
	120	1.106	0.13	0.26	670	8×20	ECR1HLH121M□□080020
	180	0.737	0.095	0.19	676	10×20	ECR1HLH181M□□100020
		0.737	0.105	0.21	745	12.5×15	ECR1ELH181M□□100012
	220	0.603	0.080	0.16	876	10×25	ECR1HLH221M□□100025
	330	0.402	0.065	0.13	1010	10×30	ECR1HLH331M□□100030
		0.402	0.070	0.14	979	12.5×20	ECR1HLH331M□□125020
		0.402	0.075	0.15	982	16×15	ECR1HLH331M□□160015
470	0.282	0.054	0.108	1180	12.5×25	ECR1HLH471M□□125025	
	0.282	0.058	0.116	1180	18×15	ECR1HLH471M□□180015	
560	0.237	0.050	0.1	1310	12.5×30	ECR1HLH561M□□125030	
680	0.195	0.046	0.092	1470	12.5×35	ECR1HLH681M□□125035	
	0.195	0.050	0.1	1210	16×20	ECR1HLH681M□□160020	
820	0.162	0.044	0.088	1590	12.5×40	ECR1HLH821M□□125040	
	0.162	0.048	0.096	1490	16×25	ECR1HLH821M□□160025	
	0.162	0.046	0.092	1450	18×20	ECR1HLH821M□□180020	
1000	0.133	0.040	0.08	1890	16×31.5	ECR1HLH102M□□160031	
	0.133	0.040	0.08	1720	18×25	ECR1HLH102M□□180025	
1200	0.111	0.032	0.064	2140	16×35.5	ECR1HLH122M□□160035	
	0.088	0.026	0.052	2410	16×40	ECR1HLH152M□□160040	
1500	0.088	0.026	0.052	1970	18×31.5	ECR1HLH152M□□180031	
	0.074	0.025	0.050	2310	18×35.5	ECR1HLH182M□□180035	
2200	0.072	0.024	0.048	2530	18×40	ECR1HLH222M□□180040	
12	9.952	1.2	3.6	120	5×11.5	ECR1JLH120M□□050011	
18	6.635	0.85	2.6	135	5×15	ECR1JLH180M□□050015	
27	4.423	0.55	1.7	148	6.3×11.5	ECR1JLH270M□□063011	
39	3.062	0.38	1.1	153	6.3×15	ECR1JLH390M□□063015	
47	2.541	0.32	0.96	360	8×11.5	ECR1JLH470M□□080011	
56	2.133	0.23	0.69	448	10×12.5	ECR1JLH560M□□100012	
68	1.756	0.24	0.72	469	8×16	ECR1JLH680M□□080016	
	1.756	0.17	0.51	553	10×16	ECR1JLH680M□□100016	
82	1.456	0.17	0.51	682	8×20	ECR1JLH820M□□080020	
120	0.995	0.12	0.36	676	10×20	ECR1JLH121M□□100020	
150	0.796	0.10	0.30	876	10×25	ECR1JLH151M□□100025	
	0.796	0.11	0.33	745	12.5×15	ECR1JLH151M□□125015	
180	0.663	0.085	0.26	1020	10×30	ECR1JLH181M□□100030	
220	0.543	0.075	0.23	979	12.5×20	ECR1JLH221M□□125020	
	0.543	0.080	0.24	928	16×15	ECR1JLH221M□□160015	
270	0.442	0.065	0.20	1180	12.5×25	ECR1JLH271M□□125025	
330	0.362	0.065	0.20	1200	18×15	ECR1JLH331M□□180015	
390	0.306	0.055	0.17	1310	12.5×30	ECR1JLH391M□□125030	
	0.306	0.057	0.17	1210	16×20	ECR1JLH391M□□160020	
470	0.254	0.048	0.14	1470	12.5×35	ECR1JLH471M□□125035	
	0.254	0.052	0.16	1490	16×25	ECR1JLH471M□□160025	
560	0.254	0.058	0.17	1460	18×20	ECR1JLH471M□□180020	
	0.213	0.042	0.13	1590	12.5×40	ECR1JLH561M□□125040	
680	0.176	0.042	0.13	1890	16×31.5	ECR1JLH681M□□160031	
	0.176	0.050	0.15	1740	18×25	ECR1JLH681M□□180025	
820	0.146	0.036	0.11	2140	16×35.5	ECR1JLH821M□□160035	
	0.146	0.042	0.13	1990	18×31.5	ECR1JLH821M□□180031	
1000	0.119	0.032	0.096	2410	16×40	ECR1JLH102M□□160040	
	0.119	0.035	0.11	2340	18×35.5	ECR1JLH102M□□180035	
1200	0.100	0.032	0.096	2560	18×40	ECR1JLH122M□□180040	

$U_r$ (Surge Voltage) Code	Rated Capa- cance	Max ESR 20°C, 120Hz	Max Imp 20°C, 100kHz	Max Imp -10°C, 100kHz	Rated Ripple Current 105°C, 100kHz	Size ΦD x L	P/N
(V)	(μF)	(Ω)	(Ω)	(Ω)	(mA rms)	(mm)	-
100 (125) 2A	5.6	18.957	1.9	7.6	57	5×11.5	ECR2ALH5R6M□□050011
		8.2	12.946	1.3	5.2	74	5×15
	12	8.846	1.1	4.4	78	6.3×11.5	ECR2ALH120M□□063011
	18	5.898	0.62	2.5	85	6.3×15	ECR2ALH180M□□063015
	22	4.825	0.53	2.1	275	8×11.5	ECR2ALH220M□□080011
	27	3.932	0.47	1.9	319	10×12.5	ECR2ALH270M□□100012
	33	3.217	0.35	1.4	360	8×16	ECR2ALH330M□□080016
		3.217	0.32	1.3	424	10×16	ECR2ALH330M□□100016
	39	2.722	0.27	1.1	490	8×20	ECR2ALH390M□□080020
	56	1.896	0.25	1.0	499	10×20	ECR2ALH560M□□100020
68	1.561	0.18	0.72	634	10×25	ECR2ALH680M□□100025	
	1.561	0.20	0.80	613	12.5×15	ECR2ALH680M□□125015	
100	1.062	0.15	0.60	739	10×30	ECR2ALH101M□□100030	
	1.062	0.13	0.52	805	12.5×20	ECR2ALH101M□□125020	
120	0.885	0.11	0.44	857	12.5×25	ECR2ALH121M□□125025	
	0.885	0.13	0.50	706	16×15	ECR2ALH121M□□160015	
150	0.708	0.12	0.48	871	18×15	ECR2ALH151M□□180015	
180	0.590	0.090	0.36	1120	12.5×30	ECR2ALH181M□□125030	
	0.590	0.11	0.44	916	16×20	ECR2ALH181M□□160020	
220	0.483	0.075	0.30	1240	12.5×35	ECR2ALH221M□□125035	
	0.483	0.081	0.32	1290	16×25	ECR2ALH221M□□160025	
270	0.393	0.060	0.24	1330	12.5×40	ECR2ALH271M□□125040	
	0.393	0.085	0.34	1170	18×20	ECR2ALH271M□□180020	
330	0.322	0.059	0.23	1630	16×31.5	ECR2ALH331M□□160031	
	0.322	0.071	0.28	1500	18×25	ECR2ALH331M□□180025	
390	0.272	0.052	0.21	1750	16×35.5	ECR2ALH391M□□160035	
	0.272	0.058	0.23	1630	18×31.5	ECR2ALH391M□□180031	
470	0.226	0.045	0.18	1920	16×40	ECR2ALH471M□□160040	
560	0.190	0.054	0.22	1920	18×35.5	ECR2ALH561M□□180035	
680	0.156	0.041	0.16	2100	18×40	ECR2ALH681M□□180040	

Customer products are available on request.

## Lifetime Diagram



## Typical Curves

