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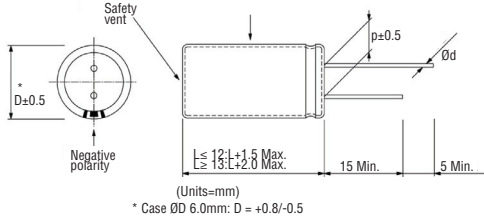
CAPACITORS

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ESH Series — Aluminum Electrolytic Capacitors, 105°C



Long life for 2000 hours at 105°C, ideally suited for high quality and high reliability applications. **Applications:** Coupling, decoupling, by-pass, filtering. **Features:** Case with ØD ≥6.0 mm has the safety vent at the bottom.

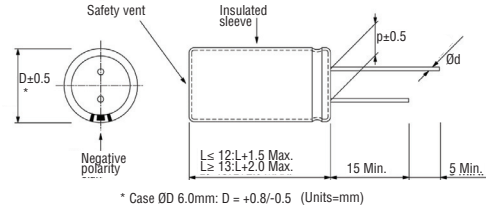
Dimensions — mm

ØD	5.0	6.0	8.0	10.0	13.0	16.0	18.0
p (Pitch)	2.0	2.5	3.5	5.0		7.5	
Ød (Leads)	0.5			0.6		0.8	

Stock No.	Mfr.'s Type	Cap. 120 Hz 20°C (µF)	Voltage (VDC)	D.F.* 120 Hz 25°C (%)	R.C. 120 Hz 105°C (mARMS)	L.C. 20°C 2 Min. (µA)	Case Size D x L (mm)	EACH	
								1-24	25-99
70233322	ESH477M010AE3AA	470	10	—	—	—	6 x 11	.11	.09
70233316	ESH108M010AH1AA	1000	10	—	—	—	10 x 12	.24	.20
70233321	ESH338M010AL3AA	3300	10	—	—	—	13 x 20	.06	.05
70233271	ESH476M016AC3AA	47	16	18	85	10	5 x 11	.05	.05
70233284	ESH107M016AE3AA	100	16	18	135	19	6 x 11	.07	.06
70233318	ESH227M016AE3AA	220	16	—	—	—	6 x 11	.10	.08
70233319	ESH337M016AG3AA	330	16	—	—	—	8 x 11	.15	.12
70233297	ESH108M016AH2AA	1000	16	—	—	—	10 x 15	.26	.22
70233298	ESH108M016AH4AA	1000	16	18	700	163	10 x 19	.27	.23
70233275	ESH226M025AC3AA	22	25	16	60	18	5 x 11	.05	.05
70233277	ESH476M025AC3AA	47	25	16	90	15	5 x 11	.06	.05
70233286	ESH107M025AE3AA	100	25	16	145	28	6 x 11	.08	.06
70233291	ESH227M025AG3AA	220	25	16	250	58	8 x 11	.13	.11
70233320	ESH337M025AG3AA	330	25	—	—	—	8 x 11	.19	.16
70233294	ESH477M025AH1AA	470	25	16	405	120	10 x 12	.24	.20
70233301	ESH477M025AH2AA	470	25	16	470	120	10 x 15	.27	.23
70233306	ESH108M025AL3AA	1000	25	16	855	253	13 x 20	.44	.25
70233280	ESH336M035AC3AA	33	35	14	85	14	5 x 11	.06	.05
70233273	ESH107M035AE3AA	100	35	—	—	—	6 x 11	.09	.07
70233288	ESH107M035AG3AA	100	35	14	190	38	8 x 11	.14	.11
70233290	ESH227M035AH1AA	220	35	14	315	80	10 x 12	.20	.17
70233302	ESH337M035AH1AA	330	35	—	—	—	10 x 12	.35	.29
70233303	ESH477M035AH3AA	470	35	—	—	—	—	.30	.25
70233305	ESH477M035AL3AA	470	35	14	580	167	13 x 20	.41	.23
70233309	ESH158M035AM7AA	1500	35	14	1110	528	16 x 25	.92	.51
70233311	ESH228M035AM7AA	2200	35	—	—	—	16 x 25	.89	.67
70233312	ESH478M035AN2AA	4700	35	—	—	—	18 x 36	1.51	1.32
70233274	ESH105M050AC3AA	1	50	12	12	3	5 x 11	.05	.05
70233279	ESH225M050AC3AA	2.2	50	12	18	4	5 x 11	.06	.05
70233272	ESH335M050AC3AA	3.3	50	12	25	5	5 x 11	.06	.05
70233276	ESH475M050AC3AA	4.7	50	12	30	5	5 x 11	.06	.05
70233281	ESH106M050AC3AA	10	50	12	50	8	5 x 11	.06	.05
70233283	ESH226M050AC3AA	22	50	12	75	14	5 x 11	.06	.05
70233285	ESH336M050AC3AA	33	50	—	—	—	5 x 11	.06	.05
70233287	ESH336M050AE3AA	33	50	12	105	109	6 x 11	.08	.07
70233292	ESH107M050AG3AA	100	50	—	—	—	8 x 11	.16	.13
70233300	ESH227M050AH1AA	220	50	—	—	—	10 x 12	.27	.23
70233293	ESH227M050AH2AA	220	50	—	—	—	10 x 15	.31	.26
70233304	ESH337M050AH4AA	330	50	12	535	168	10 x 19	.35	.29
70233307	ESH477M050AL3AA	470	50	12	730	238	13 x 20	.49	.27
70233317	ESH108M050AL4AA	1000	50	—	—	—	13 x 25	.86	.65
70233310	ESH108M050AM7AA	1000	50	12	1110	503	16 x 25	.95	.53
70233313	ESH228M050AN2AA	2200	50	12	1560	1103	18 x 36	1.18	.89
70233289	ESH476M063AE3AA	47	63	—	—	—	6 x 11	.12	.10
70233295	ESH107M063AH1AA	100	63	10	260	66	10 x 12	.24	.20
70233314	ESH106M0100AE3AA	10	100	—	—	—	6 x 11	.06	.05
70233315	ESH107M200AM7AA	100	200	—	—	—	16 x 25	.93	.70

* For capacitor whose capacitance exceeds 1000 µF the value of D.F. (%) is increased by 2% for every addition of 1000 µF.

ESY Series — Aluminum Electrolytic Capacitors, 105°C



Very low impedance and high-ripple current. **Applications:** High frequency switching mode circuits. **Features:** Case with ØD ≥6.0 mm has the safety vent at the bottom.

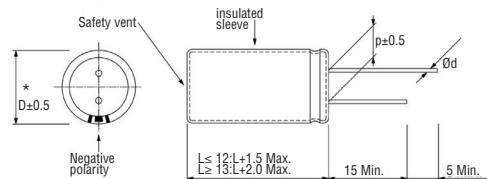
Dimensions — mm

ØD	8.0	10.0	13.0
p (Pitch)	3.5	5.0	
Ød (Leads)	0.6		

Stock No.	Mfr.'s Type	Cap. 120 Hz 20°C (µF)	Voltage (VDC)	D.F.* 120 Hz 25°C (%)	R.C. 100 KHz 105°C (mARMS)	L.C. 20°C 2 Min. (µA)	Case Size D x L (mm)	EACH	
								1-24	25-99
70233324	ESY108M010AG6AA	1000	10	19	1250	100	8 x 11	.34	.29
70233327	ESY158M010AH5AA	1500	10	19	2150	150	10 x 25	.64	.35
70233331	ESY338M010AL4AA	3300	10	19	2770	330	13 x 25	1.12	.84
70233323	ESY477M016AG8AA	470	16	16	1000	75	8 x 11	.18	.15
70233325	ESY687M016AG6AA	680	16	16	1250	109	8 x 11	.49	.27
70233326	ESY108M016AH4AA	1000	16	16	1820	160	10 x 19	.51	.29
70233329	ESY158M016AL3AA	1500	16	16	2360	240	13 x 20	.92	.69
70233332	ESY228M016AL4AA	2200	16	16	2770	352	13 x 25	1.23	.92
70097648	ESY477M025AG6AA	470	25	14	1250	117	8 x 20	.43	.24
70233328	ESY827M025AH5AA	820	25	14	2150	205	10 x 25	.92	.51
70097649	ESY477M035AH4AA	470	35	12	1820	164	10 x 19	.38	.32
70233330	ESY687M035AL3AA	680	35	12	2360	238	13 x 20	.94	.70
70097641	ESY108M035AL4AA	1000	35	12	2770	350	13 x 25	.69	.39
70097640	ESY107M050AG3AA	100	50	10	730	50	8 x 11	.19	.16

* For capacitor whose capacitance exceeds 1000 µF the value of D.F. (%) is increased by 2% for every addition of 1000 µF.

ESK Series — Aluminum Electrolytic Capacitors, 85°C



Capacitors for high density printed circuit board. **Applications:** Coupling, decoupling, by-pass, filtering. **Features:** Case with ØD ≥6.0 mm has the safety vent at the bottom.

Dimensions — mm

ØD	5.0	10.0
p (Pitch)	2.0	5.0
Ød (Leads)	0.5	0.6

Stock No.	Mfr.'s Type	Cap. 120 Hz 20°C (µF)	Voltage (VDC)	D.F.* 120 Hz 25°C (%)	R.C. 120 Hz 85°C (mARMS)	L.C. 20°C 2 Min. (µA)	Case Size D x L (mm)	EACH	
								1-24	25-99
70233268	ESK106M050AC3AA	10	50	10	65	5	5 x 11	.05	.04
70097660	ESK226M050AC3AA	22	50	10	100	11	5 x 11	.05	.04
70233270	ESK337M050AH4AA	330	50	10	580	165	10 x 19	.33	.27

* For capacitor whose capacitance exceeds 1000 µF the value of D.F. (%) is increased by 2% for every addition of 1000 µF.