

SINGLE-ENDED LEADS - General purpose 105°C / 1000 h

■ Description

- Capacitors for high density printed circuit board.

■ Applications

- Coupling, decoupling, by-pass, filtering.

■ Features


- Case with $\varnothing D \geq 6.0$ mm has the safety vent at the bottom.

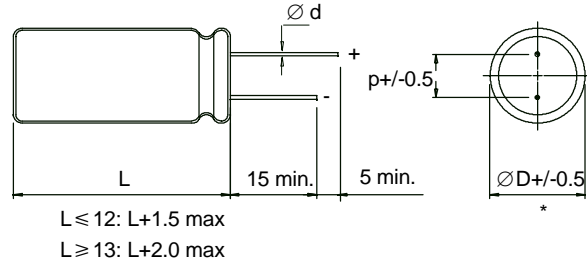
■ Diagram of dimensions (Unit = mm).

$\varnothing D$	5.0	6.0	8.0	10.0	13.0	16.0	18.0	22.0
p (pitch)	2.0	2.5	3.5	5.0		7.5		10.0
$\varnothing d$ (leads)	0.5			0.6		0.8		0.8

* Case $\varnothing D$ 6.0mm: D = +0.8/-0.5

■ Marking

- ARCOTRONICS' logo: 
- Series (ESE), Operating temperature (105°C), Rated capacitance (μF), Rated voltage (Vdc).
Negative polarity: white row



■ Electrical characteristics

Rated voltage	6.3 to 100 Vdc	160 to 450 Vdc
Operating temperature	-40 to +105°C	-25 to +105°C
Capacitance range	0.47 μF to 22 000 μF .	0.47 μF to 470 μF .
Capacitance tolerance	$\pm 20\%$ at 120 Hz / 20°C	
Endurance test	1000 h (see conditions in Test method and performance)	
Leakage current	$I = 0.01 CV (\mu A) + 3\mu A$	$I = 0.03 CV (\mu A) + 10\mu A$
	C = rated capacitance (μF); V = rated voltage (Vdc) (after that DC rated voltage at 20°C has been applied for 2 min)	

■ Compensation factor of ripple current (R.C.) vs. frequency

Rated voltage	Capacitance range	50 Hz	120 Hz	300 Hz	1 kHz	10 to 100 kHz
6.3 to 100 Vdc	0.47 to 68 μF	0.75	1.00	1.20	1.30	1.45
6.3 to 100 Vdc	100 to 680 μF	0.75	1.00	1.10	1.15	1.25
6.3 to 100 Vdc	1000 to 22000 μF	0.75	1.00	1.05	1.10	1.15
160 to 450 Vdc	0.47 to 470 μF	0.80	1.00	1.05	1.10	1.50

■ Compensation factor of ripple current (R.C.) vs. temperature

Temperature	65°C	85°C	105°C
Multiplier factors	1.80	1.40	1.00

■ Test method and performance

Load life test	
Test conditions	
Voltage:	the sum of D.C. voltage and the peak A.C. voltage must not exceed the rated voltage of the capacitor.
Ripple current:	max permissible ripple current at 120Hz 105°C specified in the table.
Temperature:	105°C
Test duration:	1000 hours
Performance	
The following specifications will be satisfied when the capacitors are restored at 20°C.	
Capacitance Change:	within 20% of initial value
Dissipation Factor:	not exceed 200% of initial requirement
Leakage Current:	not exceed initial requirement

Shelf life test	
Test conditions	
Voltage:	no voltage applied.
Temperature:	105°C
Test duration:	500 hours
Performance	
The following specifications will be satisfied when the capacitors are restored at 20°C.	
Capacitance Change:	within 20% of initial value
Dissipation Factor:	not exceed 200% of initial requirement
Leakage Current:	not exceed initial requirement

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■ Technical data and ordering codes

6.3 Vdc Rated voltage - 8 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
47	5 x 11	26	60	6	ESE476M6R3AC3AA
68	5 x 11	26	75	7	ESE686M6R3AC3AA
100	5 x 11	26	100	9	ESE107M6R3AC3AA
150	5 x 11	26	120	12	ESE157M6R3AC3AA
220	5 x 11	26	140	17	ESE227M6R3AC3AA
220	6 x 11	26	165	17	ESE227M6R3AE3AA
330	6 x 11	26	160	24	ESE337M6R3AE3AA
330	8 x 11	26	200	24	ESE337M6R3AG3AA
470	6 x 11	26	220	33	ESE477M6R3AE3AA
470	8 x 11	26	280	33	ESE477M6R3AG3AA
680	10 x 12	26	320	46	ESE687M6R3AH1AA
1000	8 x 11	26	370	66	ESE108M6R3AG3AA
1000	10 x 12	26	470	66	ESE108M6R3AH1AA
1500	10 x 15	26	600	97	ESE158M6R3AH2AA
2200	10 x 19	26	740	142	ESE228M6R3AH4AA
2200	13 x 20	26	930	142	ESE228M6R3AL3AA
3300	10 x 19	26	880	211	ESE338M6R3AH4AA
3300	13 x 20	26	1100	211	ESE338M6R3AL3AA
4700	13 x 25	26	1100	299	ESE478M6R3AL4AA
4700	16 x 15	26	1172	299	ESE478M6R3AM6AA
4700	16 x 25	26	1320	299	ESE478M6R3AM7AA
6800	13 x 25	26	1250	431	ESE688M6R3AL4AA
6800	16 x 25	26	1490	431	ESE688M6R3AM7AA
6800	18 x 16	26	1490	431	ESE688M6R3AN6AA
10000	16 x 25	26	1560	633	ESE109M6R3AM7AA
10000	16 x 32	26	1830	633	ESE109M6R3AM2AA
15000	16 x 36	26	1560	948	ESE159M6R3AM3AA
15000	18 x 36	26	1830	948	ESE159M6R3AN2AA
22000	18 x 40	26	2280	1389	ESE229M6R3AN3AA

10 Vdc Rated voltage - 13 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
22	5 x 11	22	45	5	ESE226M010AC3AA
33	5 x 11	22	60	6	ESE336M010AC3AA
47	5 x 11	22	75	8	ESE476M010AC3AA
68	5 x 11	22	80	10	ESE686M010AC3AA
100	5 x 11	22	110	13	ESE107M010AC3AA
150	6 x 11	22	130	18	ESE157M010AE3AA
220	6 x 11	22	180	25	ESE227M010AE3AA
330	8 x 11	22	255	36	ESE337M010AG3AA
470	8 x 11	22	305	50	ESE477M010AG3AA
680	10 x 12	22	420	71	ESE687M010AH1AA
1000	10 x 12	22	490	103	ESE108M010AH1AA
1000	10 x 15	22	570	103	ESE108M010AH2AA
1500	10 x 19	22	750	153	ESE158M010AH4AA
2200	10 x 19	22	800	223	ESE228M010AH4AA
2200	13 x 20	22	1010	223	ESE228M010AL3AA
3300	13 x 20	22	1050	333	ESE338M010AL3AA
3300	13 x 25	22	1220	333	ESE338M010AL4AA
4700	13 x 25	22	1190	473	ESE478M010AL4AA
4700	16 x 25	22	1410	473	ESE478M010AM7AA
6800	16 x 25	22	1370	683	ESE688M010AM7AA
6800	16 x 32	22	1610	683	ESE688M010AM2AA
10000	16 x 36	22	1760	1003	ESE109M010AM3AA
10000	18 x 36	22	1980	1003	ESE109M010AN2AA

16 Vdc Rated voltage - 20 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
10	5 x 11	18	25	5	ESE106M016AC3AA
15	5 x 11	18	40	5	ESE156M016AC3AA
22	5 x 11	18	55	6	ESE226M016AC3AA
33	5 x 11	18	70	8	ESE336M016AC3AA
47	5 x 11	18	85	10	ESE476M016AC3AA
68	5 x 11	18	100	14	ESE476M016AC3AA
100	5 x 11	18	110	19	ESE107M016AC3AA
100	6 x 11	18	135	19	ESE107M016AE3AA
150	8 x 11	18	180	27	ESE157M016AG3AA
220	6 x 11	18	180	38	ESE227M016AE3AA
220	8 x 11	18	235	38	ESE227M016AG3AA
330	8 x 11	18	285	56	ESE337M016AG3AA
470	8 x 11	18	310	78	ESE477M016AG3AA
470	8 x 15	18	395	78	ESE477M016AG4AA
470	10 x 12	18	395	78	ESE477M016AH1AA
680	10 x 15	18	530	112	ESE687M016AH2AA
1000	10 x 15	18	590	163	ESE108M016AH2AA
1000	10 x 19	18	700	163	ESE108M016AH4AA
1500	10 x 19	18	680	243	ESE158M016AH4AA
1500	13 x 20	18	860	243	ESE158M016AL3AA
2200	13 x 20	18	990	355	ESE228M016AL3AA
2200	13 x 25	18	1150	355	ESE228M016AL4AA
3300	13 x 25	18	1140	531	ESE338M016AL4AA
3300	16 x 25	18	1350	531	ESE338M016AM7AA
4700	16 x 25	18	1330	755	ESE478M016AM7AA
4700	16 x 32	18	1560	755	ESE478M016AM2AA
6800	16 x 36	18	1590	1091	ESE688M016AM3AA
6800	18 x 36	18	1790	1091	ESE688M016AN2AA
10000	18 x 36	18	2100	1603	ESE109M016AN2AA

25 Vdc Rated voltage - 32 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
4.7	5 x 11	16	20	4	ESE475M025AC3AA
6.8	5 x 11	16	25	5	ESE685M025AC3AA
10	5 x 11	16	30	5	ESE106M025AC3AA
15	5 x 11	16	45	7	ESE156M025AC3AA
22	5 x 11	16	60	8	ESE226M025AC3AA
33	5 x 11	16	75	11	ESE336M025AC3AA
47	5 x 11	16	90	15	ESE476M025AC3AA
68	6 x 11	16	125	20	ESE686M025AE3AA
100	6 x 11	16	145	28	ESE107M025AE3AA
150	8 x 11	16	200	40	ESE157M025AG3AA
220	8 x 11	16	200	58	ESE227M025AG3AA
220	10 x 12	16	250	58	ESE227M025AH1AA
330	8 x 15	16	320	85	ESE337M025AG4AA
330	10 x 12	16	355	85	ESE337M025AH1AA
470	10 x 12	16	400	120	ESE477M025AH1AA
470	10 x 15	16	470	120	ESE477M025AH2AA
680	10 x 19	16	650	173	ESE687M025AH4AA
1000	10 x 19	16	680	253	ESE108M025AH4AA
1000	13 x 20	16	855	253	ESE108M025AL3AA
1500	13 x 25	16	1020	378	ESE158M025AL4AA
2200	13 x 25	16	1030	553	ESE228M025AL4AA
2200	16 x 25	16	1230	553	ESE228M025AM7AA
3300	16 x 25	16	1230	828	ESE338M025AM7AA
3300	16 x 32	16	1450	828	ESE338M025AM2AA
4700	16 x 32	16	1420	1178	ESE478M025AM2AA
4700	18 x 36	16	1690	1178	ESE478M025AN2AA
6800	18 x 36	16	1850	1703	ESE688M025AN2AA

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

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35 Vdc Rated voltage - 44 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
4.7	5 x 11	14	25	5	ESE475M035AC3AA
6.8	5 x 11	14	30	5	ESE685M035AC3AA
10	5 x 11	14	40	6	ESE106M035AC3AA
15	5 x 11	14	50	8	ESE156M035AC3AA
22	5 x 11	14	65	11	ESE226M035AC3AA
33	5 x 11	14	85	14	ESE336M035AC3AA
47	5 x 11	14	95	19	ESE476M035AC3AA
47	6 x 11	14	115	19	ESE476M035AE3AA
68	8 x 11	14	130	27	ESE686M035AG3AA
100	8 x 11	14	190	38	ESE107M035AG3AA
150	10 x 12	14	240	55	ESE157M035AH1AA
220	8 x 15	14	280	80	ESE227M035AG4AA
220	10 x 12	14	315	80	ESE227M035AH1AA
330	10 x 12	14	380	118	ESE337M035AH1AA
330	10 x 15	14	440	118	ESE337M035AH2AA
470	10 x 19	14	490	167	ESE477M035AH4AA
470	13 x 20	14	580	167	ESE477M035AL3AA
680	13 x 20	14	730	241	ESE687M035AL3AA
1000	13 x 20	14	850	353	ESE108M035AL3AA
1000	13 x 25	14	995	353	ESE108M035AL4AA
1500	16 x 25	14	1100	528	ESE158M035AM7AA
2200	16 x 25	14	1230	773	ESE228M035AM7AA
2200	16 x 32	14	1450	773	ESE228M035AM2AA
3300	16 x 36	14	1470	1158	ESE338M035AM3AA
3300	18 x 36	14	1660	1158	ESE338M035AN2AA
4700	18 x 36	14	1580	1648	ESE478M035AN2AA
4700	18 x 40	14	1750	1648	ESE478M035AN3AA

50 Vdc Rated voltage - 63 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
0.47	5 x 11	12	7	3	ESE474M050AC3AA
1.0	5 x 11	12	12	3	ESE105M050AC3AA
2.2	5 x 11	12	18	4	ESE225M050AC3AA
3.3	5 x 11	12	25	5	ESE335M050AC3AA
4.7	5 x 11	12	30	5	ESE475M050AC3AA
6.8	5 x 11	12	32	6	ESE685M050AC3AA
10	5 x 11	12	50	8	ESE106M050AC3AA
15	5 x 11	12	60	10	ESE156M050AC3AA
22	5 x 11	12	75	14	ESE226M050AC3AA
33	6 x 11	12	105	19	ESE336M050AE3AA
47	6 x 11	12	100	26	ESE476M050AE3AA
47	8 x 11	12	125	26	ESE476M050AG3AA
68	8 x 11	12	159	37	ESE686M050AG3AA
100	8 x 11	12	160	53	ESE107M050AG3AA
100	10 x 12	12	210	53	ESE107M050AH1AA
150	10 x 12	12	289	78	ESE157M050AH1AA
150	10 x 15	12	310	78	ESE157M050AH2AA
220	10 x 15	12	400	113	ESE227M050AH2AA
330	10 x 15	12	450	168	ESE337M050AH2AA
330	10 x 19	12	535	168	ESE337M050AH4AA
470	13 x 20	12	730	238	ESE477M050AL3AA
680	13 x 25	12	860	343	ESE687M050AL4AA
1000	13 x 25	12	930	503	ESE108M050AL4AA
1000	16 x 25	12	1110	503	ESE108M050AM7AA
1500	16 x 32	12	1350	753	ESE158M050AM2AA
2200	16 x 36	12	1360	1103	ESE228M050AM3AA
2200	18 x 36	12	1530	1103	ESE228M050AN2AA
3300	18 x 40	12	1700	1653	ESE338M050AN3AA
4700	22 x 35	12	1900	2353	ESE478M050AQ3AA

63 Vdc Rated voltage - 79 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
0.47	5 x 11	10	8	3	ESE474M063AC3AA
1.0	5 x 11	10	13	4	ESE105M063AC3AA
2.2	5 x 11	10	20	4	ESE225M063AC3AA
3.3	5 x 11	10	27	5	ESE335M063AC3AA
4.7	5 x 11	10	34	6	ESE475M063AC3AA
6.8	5 x 11	10	37	7	ESE685M063AC3AA
10	5 x 11	10	55	9	ESE106M063AC3AA
15	5 x 11	10	65	12	ESE156M063AC3AA
22	6 x 11	10	90	17	ESE226M063AE3AA
33	6 x 11	10	110	24	ESE336M063AE3AA
33	8 x 11	10	120	24	ESE336M063AG3AA
47	8 x 11	10	155	33	ESE476M063AG3AA
68	10 x 12	10	198	46	ESE686M063AH1AA
100	8 x 15	10	230	66	ESE107M063AG4AA
100	10 x 12	10	260	66	ESE107M063AH1AA
150	10 x 15	10	330	97	ESE157M063AH2AA
220	10 x 15	10	400	142	ESE227M063AH2AA
220	10 x 19	10	460	142	ESE227M063AH4AA
330	13 x 20	10	650	211	ESE337M063AL3AA
470	13 x 20	10	700	299	ESE477M063AL3AA
470	13 x 25	10	800	299	ESE477M063AL4AA
680	13 x 25	10	840	431	ESE687M063AL4AA
680	16 x 25	10	1000	431	ESE687M063AM7AA
1000	16 x 25	10	1020	633	ESE108M063AM7AA
1000	16 x 32	10	1200	633	ESE108M063AM2AA
1500	16 x 32	10	1300	948	ESE158M063AM2AA
1500	16 x 36	10	1450	948	ESE158M063AM3AA

100 Vdc Rated voltage - 125 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μA)	Arcotronics P/N
0.47	5 x 11	10	10	3	ESE474M100AC3AA
1.0	5 x 11	10	15	4	ESE105M100AC3AA
2.2	5 x 11	10	22	5	ESE225M100AC3AA
3.3	5 x 11	10	29	6	ESE335M100AC3AA
4.7	5 x 11	10	37	8	ESE475M100AC3AA
6.8	5 x 11	10	46	10	ESE685M100AC3AA
10	5 x 11	10	55	13	ESE106M100AC3AA
10	6 x 11	10	65	13	ESE106M100AE3AA
15	8 x 11	10	82	18	ESE156M100AG3AA
22	8 x 11	10	115	25	ESE226M100AG3AA
33	8 x 11	10	120	36	ESE336M100AG3AA
33	10 x 12	10	160	36	ESE336M100AH1AA
47	10 x 12	10	180	50	ESE476M100AH1AA
47	10 x 15	10	210	50	ESE476M100AH2AA
68	10 x 15	10	241	71	ESE686M100AH2AA
100	10 x 19	10	385	103	ESE107M100AH4AA
150	13 x 25	10	414	153	ESE157M100AL4AA
220	13 x 25	10	590	223	ESE227M100AL4AA
330	13 x 25	10	600	333	ESE337M100AL4AA
330	16 x 25	10	720	333	ESE337M100AM7AA
470	16 x 25	10	740	473	ESE477M100AM7AA
470	16 x 32	10	875	473	ESE477M100AM2AA
680	16 x 36	10	1200	683	ESE687M100AM3AA
1000	18 x 40	10	1340	1003	ESE108M100AN3AA
1000	22 x 40	10	1500	1003	ESE108M100AQ4AA

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

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160 Vdc Rated voltage - 200 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (µF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (µA)	Arcotronics P/N
0.47	5 x 11	15	12	12	ESE474M160AC3AA
1.0	5 x 11	15	17	15	ESE105M160AC3AA
2.2	6 x 11	15	25	20	ESE225M160AE3AA
3.3	6 x 11	15	30	26	ESE335M160AE3AA
3.3	8 x 11	15	36	26	ESE335M160AG3AA
4.7	6 x 11	15	34	32	ESE475M160AE3AA
4.7	8 x 11	15	43	32	ESE475M160AG3AA
6.8	10 x 12	15	54	43	ESE685M160AH1AA
10	8 x 11	15	56	58	ESE106M160AG3AA
10	8 x 15	15	70	58	ESE106M160AG4AA
10	10 x 12	15	70	58	ESE106M160AH1AA
15	10 x 15	15	90	82	ESE156M160AH2AA
22	10 x 15	15	130	116	ESE226M160AH2AA
33	10 x 19	15	180	168	ESE336M160AH4AA
47	13 x 20	15	270	236	ESE476M160AL3AA
68	13 x 25	15	300	336	ESE686M160AL4AA
100	13 x 25	15	330	490	ESE107M160AL4AA
100	16 x 25	15	400	490	ESE107M160AM7AA
150	16 x 32	15	435	730	ESE157M160AM2AA
220	16 x 32	15	550	1066	ESE227M160AM2AA
220	16 x 36	15	620	1066	ESE227M160AM3AA
330	18 x 36	15	770	1594	ESE337M160AN2AA
330	18 x 40	15	850	1594	ESE337M160AN3AA
470	22 x 40	15	980	2266	ESE477M160AQ4AA

200 Vdc Rated voltage - 250 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (µF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (µA)	Arcotronics P/N
0.47	5 x 11	15	14	13	ESE474M200AC3AA
1.0	5 x 11	15	19	16	ESE105M200AC3AA
2.2	6 x 11	15	22	23	ESE225M200AE3AA
2.2	8 x 11	15	28	23	ESE225M200AG3AA
3.3	6 x 11	15	32	30	ESE335M200AE3AA
3.3	8 x 11	15	40	30	ESE335M200AG3AA
4.7	8 x 11	15	40	38	ESE475M200AG3AA
4.7	10 x 12	15	50	38	ESE475M200AH1AA
6.8	10 x 12	15	60	51	ESE685M200AH1AA
10	10 x 12	15	69	70	ESE106M200AH1AA
10	10 x 15	15	80	70	ESE106M200AH2AA
15	10 x 15	15	110	100	ESE156M200AH2AA
22	10 x 15	15	140	142	ESE226M200AH2AA
33	10 x 19	15	190	208	ESE336M200AH4AA
47	13 x 20	15	240	292	ESE476M200AL3AA
47	13 x 25	15	290	292	ESE476M200AL4AA
68	13 x 25	15	330	418	ESE686M200AL4AA
100	16 x 25	15	410	610	ESE107M200AM7AA
150	16 x 36	15	450	910	ESE157M200AM3AA
220	18 x 36	15	580	1330	ESE227M200AN2AA
220	18 x 40	15	650	1330	ESE227M200AN3AA
330	18 x 40	15	780	1990	ESE337M200AN3AA
330	22 x 40	15	920	1990	ESE337M200AQ4AA

250 Vdc Rated voltage - 300 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (µF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (µA)	Arcotronics P/N
0.47	5 x 11	15	14	13	ESE474M250AC3AA
1.0	6 x 11	15	19	17	ESE105M250AE3AA
2.2	6 x 11	15	23	26	ESE225M250AE3AA
2.2	8 x 11	15	29	26	ESE225M250AG3AA
3.3	8 x 11	15	33	35	ESE335M250AG3AA
3.3	10 x 12	15	42	35	ESE335M250AH1AA
4.7	8 x 11	15	41	45	ESE475M250AG3AA
4.7	10 x 12	15	52	45	ESE475M250AH1AA
6.8	8 x 15	15	57	61	ESE685M250AG4AA
6.8	10 x 12	15	62	61	ESE685M250AH1AA
10	10 x 15	15	88	85	ESE106M250AH2AA
15	10 x 15	15	120	122	ESE156M250AH2AA
22	10 x 19	15	155	175	ESE226M250AH4AA
33	13 x 20	15	170	257	ESE336M250AL3AA
33	13 x 25	15	200	257	ESE336M250AL4AA
47	13 x 25	15	330	362	ESE476M250AL4AA
68	16 x 25	15	350	520	ESE686M250AM7AA
100	16 x 32	15	430	760	ESE107M250AM2AA
150	18 x 40	15	460	1135	ESE157M250AN3AA
220	22 x 40	15	680	1660	ESE227M250AQ4AA

350 Vdc Rated voltage - 400 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (µF)	Case size D x L (mm)	D.F. 120Hz 25°C (tgδ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (µA)	Arcotronics P/N
0.47	5 x 11	20	14	15	ESE474M350AC3AA
1.0	6 x 11	20	20	20	ESE105M350AE3AA
2.2	8 x 11	20	35	33	ESE225M350AG3AA
3.3	8 x 11	20	37	45	ESE335M350AG3AA
3.3	10 x 12	20	47	45	ESE335M350AH1AA
4.7	10 x 12	20	47	59	ESE475M350AH1AA
4.7	10 x 15	20	55	59	ESE475M350AH2AA
6.8	10 x 15	20	65	81	ESE685M350AH2AA
10	10 x 15	20	95	115	ESE106M350AH2AA
15	10 x 19	20	140	167	ESE156M350AH4AA
22	13 x 20	20	165	241	ESE226M350AL3AA
33	13 x 25	20	220	356	ESE336M350AL4AA
47	16 x 25	20	340	503	ESE476M350AM7AA
68	16 x 32	20	370	724	ESE686M350AM2AA
100	18 x 36	20	460	1060	ESE107M350AN2AA
150	22 x 40	20	480	1585	ESE157M350AQ4AA

SINGLE-ENDED LEADS - General purpose 105°C / 1000 h

400 Vdc Rated voltage - 450 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μ F)	Case size D x L (mm)	D.F. 120Hz 25°C (tg δ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μ A)	Arcotronics P/N
0.47	6 x 11	20	14	16	ESE474M400AE3AA
1.0	6 x 11	20	16	22	ESE105M400AE3AA
1.0	8 x 11	20	20	22	ESE105M400AG3AA
2.2	8 x 11	20	28	36	ESE225M400AG3AA
2.2	10 x 12	20	35	36	ESE225M400AH1AA
3.3	8 x 11	20	38	50	ESE335M400AG3AA
3.3	10 x 12	20	50	50	ESE335M400AH1AA
4.7	10 x 12	20	49	66	ESE475M400AH1AA
4.7	10 x 15	20	57	66	ESE475M400AH2AA
6.8	10 x 19	20	72	92	ESE685M400AH4AA
10	10 x 19	20	77	130	ESE106M400AH4AA
10	13 x 20	20	97	130	ESE106M400AL3AA
15	10 x 19	20	100	190	ESE156M400AH4AA
15	13 x 25	20	150	190	ESE156M400AL4AA
22	13 x 20	20	150	274	ESE226M400AL3AA
22	13 x 25	20	175	274	ESE226M400AL4AA
33	13 x 25	20	190	406	ESE336M400AL4AA
33	16 x 25	20	230	406	ESE336M400AM7AA
47	16 x 25	20	280	574	ESE476M400AM7AA
68	18 x 25	20	300	826	ESE686M400AN5AA
68	18 x 36	20	380	826	ESE686M400AN2AA
100	18 x 36	20	480	1210	ESE107M400AN2AA

450 Vdc Rated voltage - 500 Vdc Surge voltage					
Rated Cap. 120Hz 20°C (μ F)	Case size D x L (mm)	D.F. 120Hz 25°C (tg δ %)	R.C. 120Hz 105°C (mA _{rms})	L.C. 20°C 2 min (μ A)	Arcotronics P/N
0.47	6 x 11	20	14	16	ESE474M450AE3AA
1.0	8 x 11	20	20	23	ESE105M450AG3AA
2.2	10 x 12	20	35	40	ESE225M450AH1AA
3.3	10 x 15	20	54	54	ESE335M450AH2AA
4.7	10 x 15	20	60	73	ESE475M450AH2AA
6.8	10 x 19	20	80	102	ESE685M450AH4AA
10	13 x 20	20	85	145	ESE106M450AL3AA
10	13 x 25	20	100	145	ESE106M450AL4AA
15	16 x 25	20	160	212	ESE156M450AM7AA
22	16 x 25	20	150	307	ESE226M450AM7AA
22	16 x 32	20	180	307	ESE226M450AM2AA
33	16 x 25	20	190	455	ESE336M450AM7AA
33	16 x 36	20	240	455	ESE336M450AM3AA
47	16 x 36	20	300	644	ESE476M450AM3AA
47	18 x 40	20	360	644	ESE476M450AN3AA
68	22 x 40	20	400	928	ESE686M450AQ4AA