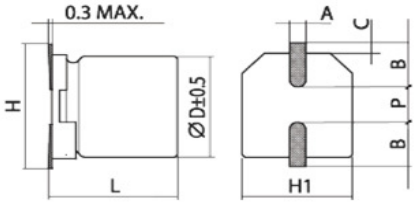
EXV Aluminium Electrolytic Capacitors

SMD Surface mount lead - Ultra low Impedance 105℃ / 3000-5000 h

Applications: AV, Computer/Monitor, Communications, SMPS
Features: Low Profile vertical chip, Ultra Low Impedance

ΦD	L	H	H1	A	B	C	P
4.0	5.4	5.5 MAX	4.3	0.65 ±0.1	1.8	0.35 +0.15,-0.20	1.0 ±0.2
5	5.4	6.5 MAX	5.3	0.65 ±0.1	2.2	0.35 +0.15,-0.20	1.5 ±0.2
6.3	5.4	7.8MAX	6.6	0.65 ±0.1	2.6	0.35 +0.15,-0.20	1.8 ±0.2
6.3	7.7	7.8 MAX	6.6	0.65 ±0.1	2.6	0.35 +0.15,-0.20	1.8 ±0.2
8	6.2	9.5 MAX	8.3	0.65 ±0.1	3.4	0.35 +0.15,-0.20	2.2 ±0.2
8	10.2	10.0 MAX	8.3	0.90 ±0.2	3.4	0.70 ±0.2	3.1 ±0.2
10	10.2	12.0 MAX	10.3	0.90 ±0.2	3.5	0.70 ±0.2	4.6 ±0.2



Electrical Characteristics

Rated Voltage	6.3 to 50Vdc
Operating Temperature	-40℃ to +105℃
Capacitance Range	1.0µF to 1000µF
Capacitance Tolerance	±20% at 120Hz / 20℃
Endurance Test	3000-5000 hours (see conditions in Test method and performance)
Leakage Current	I≤0.01CV or 3µA which ever is greater after rated voltage has been applied for 2 minutes at 20℃

Multiplier for Ripple Current

Frequency (Hz)	120Hz	1KHz	10KHZ	100KHz
Coefficient	0.70	0.80	0.90	1.00

Capacitance (µF)	Rated Voltage (Surge Voltage) Vdc											
	6.3 (8)				10 (13)				16 (20)			
	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃
22	4x5.4	0.26	90	1.93	4x5.4	0.19	90	1.93	5x5.4	0.16	160	1.00
33	4x5.4	0.26	90	1.93	5x5.4	0.19	160	1.00	6.3x5.4	0.16	240	0.52
47	5x5.4	0.26	160	1.00	6.3x5.4	0.19	190	0.52	6.3x5.4	0.16	240	0.52
100	6.3x5.4	0.26	240	0.52	6.3x5.4	0.19	190	0.52	6.3x7.7	0.16	280	0.34
150	6.3x7.7	0.26	240	0.30	6.3x7.7	0.19	240	0.34	8x10.2	0.16	370	0.22
220	6.3x7.7	0.26	240	0.30	8x10.2	0.19	600	0.16	8x10.2	0.16	370	0.22
330	8x10.2	0.26	600	0.16	8x10.2	0.19	600	0.16	8x10.2	0.16	600	0.16
470	8x10.2	0.26	600	0.16	10x10.2	0.19	850	0.12	10x10.2	0.16	850	0.12
680	10x10.2	0.26	850	0.12	10x10.2	0.19	850	0.12				
1000	10x10.2	0.26	850	0.12								

Capacitance (µF)	Rated Voltage (Surge Voltage) Vdc											
	25 (32)				35 (44)				50 (63)			
	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃	ØD x L (mm)	tanδ 120Hz 20℃	RC (mA) 100KHz 105℃	Z (Ω) 100KHz 20℃
1									4x5.4	0.12	60	5.00
2.2									4x5.4	0.12	60	5.00
3.3									4x5.4	0.12	60	5.00
4.7					4x5.4	0.12	90	1.93	5x5.4	0.12	95	4.00
10	4x5.4	0.14	90	1.93	5x5.4	0.12	160	1.00	6.3x5.4	0.12	140	2.60
22	5x5.4	0.14	160	1.00	5x5.4	0.12	160	1.00	6.3x7.7	0.12	230	1.30
33	6.3x5.4	0.14	240	0.52	6.3x5.4	0.12	240	0.52	8x10.2	0.12	350	0.50
47	6.3x5.4	0.14	240	0.52	6.3x7.7	0.12	280	0.34	10x10.2	0.12	670	0.34
68	6.3x7.7	0.14	280	0.34	6.3x7.7	0.12	280	0.34	10x10.2	0.12	670	0.34
100	6.3x7.7	0.14	300	0.26	8x10.2	0.12	600	0.16	10x10.2	0.12	670	0.34
150	8x10.2	0.14	600	0.16	10x10.2	0.12	850	0.12				
220	8x10.2	0.14	600	0.16	10x10.2	0.12	850	0.12				
330	10x10.2	0.14	850	0.12								