

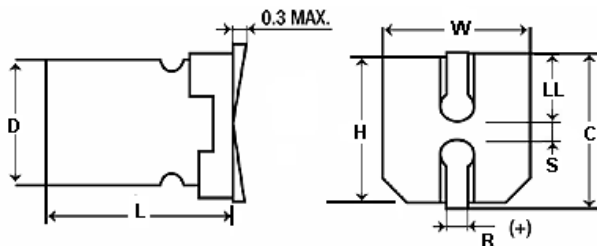
### FEATURES

Small Size – Long Life – Low Impedance

### APPLICATIONS

Filtering – Bypass/ Coupling – De-Coupling

<b>Operating Temperature Range</b>		<b>-55°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>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
	<b>SVDC</b>	7.9	13	20	32	44	63	
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
	<b>D≤6.3mm</b>	.26	.2	.16	.14	.12	.12	
	<b>D≥8mm</b>	.28	.24	.2	.16	.14	.14	
<b>Leakage Current</b>		<b>2 Minutes</b>						
		<b>.01CV or 3uA, Whichever is greater</b>						
<b>Low Temperature Stability Impedance Ratio (120 Hz)</b>	<b>Rated WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
	<b>-25°C to +20°C</b>	3	2	2	2	2	2	
	<b>-40°C to +20°C</b>	5	4	4	3	3	3	
<b>Load Life</b>		<b>5000 hours (2000 hours for D=4,5,6.3mm) at 105°C with rated WVDC</b>						
		<b>Capacitance Change</b>	≤30% of initial measured value					
		<b>Dissipation Factor</b>	≤300% 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>	≤30% of initial measured value					
		<b>Dissipation Factor</b>	≤300% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Resistance to Soldering Heat</b>		<b>Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature</b>						
		<b>Capacitance Change</b>	≤10% of initial measured value					
		<b>Dissipation Factor</b>	≤100% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						
		50	120	300	1k	100k		
		.35	.5	.64	0.83	1.0		



D	L	W±0.2	H±0.2	C±0.2	R	LL±0.2	S±0.2
4	5.4 +0.1/-0.2	4.3	4.3	5.0	0.5-0.8	1.8	1.0
5	5.4 +0.1/-0.2	5.3	5.3	6.0	0.5-0.8	2.1	1.3
6.3	5.4 +0.1/-0.2	6.6	6.6	7.3	0.5-0.8	2.4	2.2
6.3	7.7 +0.1/-0.2	6.6	6.6	7.3	0.5-0.8	2.4	2.2
8	10.2+0.1/-0.2	8.3	8.3	9.0	0.7-1.0	2.9	3.1
10	10.2+0.1/-0.2	10.3	10.3	11.0	0.7-1.0	3.2	4.5

# AVD

+105°C, Low Impedance, up to 5000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Impedance Ω +20°C, 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
1	50	105AVD050MCR	232.1	5	30	4x5.4
2.2	50	225AVD050MCR	90.43	5	30	4x5.4
3.3	50	335AVD050MCR	60.29	5	30	4x5.4
4.7	35	475AVD035MCR	42.33	1.8	80	4x5.4
4.7	50	475AVD050MDR	42.33	1.52	85	5x5.4
10	25	106AVD025MCR	23.21	1.8	80	4x5.4
10	35	106AVD035MDR	19.89	0.76	150	5x5.4
10	50	106AVD050MER	19.89	0.88	165	6.3x5.4
22	10	226AVD010MCR	15.07	1.8	80	4x5.4
22	35	226AVD035MDR	9.04	0.76	150	5x5.4
22	50	226AVD050MER	9.04	0.88	165	6.3x5.4
33	10	336AVD010MDR	10.05	0.76	150	5x5.4
33	35	336AVD035MER	6.03	0.44	230	6.3x5.4
33	50	336AVD050MEL	6.03	0.68	185	6.3x7.7
47	6.3	476AVD6R3MDR	9.17	0.76	150	5x5.4
47	25	476AVD025MER	4.94	0.44	230	6.3x5.4

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Impedance Ω +20°C, 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
47	35	476AVD035MEL	4.23	0.34	280	6.3x7.7
47	50	476AVD050MFE	4.94	0.34	350	8x10.5
100	16	107AVD016MER	2.65	0.44	230	6.3x5.4
100	25	107AVD025MEL	2.32	0.34	280	6.3x7.7
100	35	107AVD035MFE	2.32	0.17	600	8x10.5
100	50	107AVD050MGE	2.32	0.18	670	10x10.5
220	6.3	227AVD6R3MER	1.96	0.44	230	6.3x5.4
220	16	227AVD016MEL	1.36	0.34	280	6.3x7.7
220	25	227AVD025MFE	1.21	0.17	600	8x10.5
220	35	227AVD035MGE	1.06	0.09	850	10x10.5
330	6.3	337AVD6R3MFE	1.41	0.34	280	6.3x7.7
330	16	337AVD016MFE	1	0.17	600	8x10.5
330	25	337AVD025MGE	0.8	0.09	850	10x10.5
470	10	477AVD010MFE	0.85	0.17	600	8x10.5
470	16	477AVD016MGE	0.71	0.09	850	10x10.5
1000	10	108AVD010MGE	0.4	0.09	850	10x10.5