

HORDEE HHV- Solid SMD Polymer Aluminum Electrolytic Capacitors

General Feature

Low ESR at high frequency range & Large permissible ripple Current
Load life of 2000hours at 105°C
Designed for surface mounting on high density PC board.
RoHS Compliant



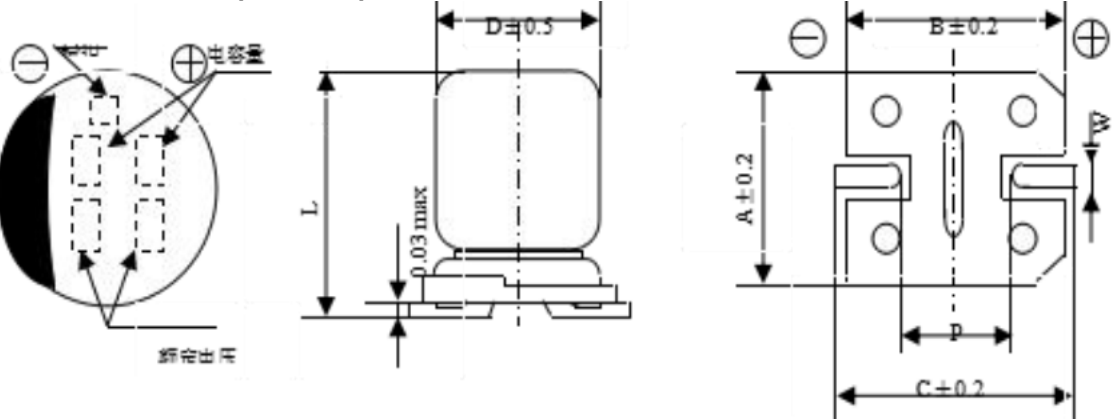
Specification

Items	Characteristics	
Temperature Range	-55℃ ~ +105℃	
Rated Voltage Range	2.5 ~ 80V	
Capacitance Tolerance	±20% (M) at 20℃, 120Hz	
Leakage Current	I ≤ 0.2CV uA. Less than or equal to the specified value. After 2 minutes application of rated voltage at 20℃	
Dissipation Factor tan δ at 20℃, 120Hz	Not to exceed the value specified	
ESR (100KHz)	Not to exceed the value specified	
Endurance	The specification listed below shall be satisfied when the capacitors are restored at 20℃ after application of rated voltage for 2,000 hours at 105℃	
	Appearance	No significant damage
	Capacitance Change	≤ ±20% of the initial value
	D.F. (tan δ)	≤150% of the specified value
	ESR	≤150% of the specified value
Moisture Resistance Stored at 60℃, RH90~95% 2000H	Leakage Current	≤The specified value
	Appearance	No significant damage
	Capacitance Change	≤ ±20% of the initial value
	D.F. (tan δ)	≤150% of the specified value
	ESR	≤150% of the specified value
	Leakage Current	≤The specified value

Rated Ripple Current Coefficient

Frequency (Hz)	120Hz≤f<1kHz	1kHz≤f<10kHz	10kHz≤f<100kHz	100kHz≤f<300kHz
Coefficient	0.05	0.3	0.7	1.00

Outer Dimensions (Unit: mm)



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Dimensions & Characteristics

W.V (V)	Capacitance (UF)	LC (UA,2min)	tgδ 120HZ.20°	ESR MΩ,100kHz	Maximun permissible Current (mA,rms)	Size ΦD×L(mm)
2.5	330	165	0.10	28	2400	6.3×5.8
		165	0.10	25	2550	6.3×7.7
	390	165	0.10	25	2650	6.3×7.7
	470	235	0.10	22	2750	6.3×7.7
	560	280	0.10	25	2600	6.3×5.8
6.3	100	126	0.12	58	1950	6.3×5.8
	220	277	0.12	20	2500	6.3×5.8
	330	415	0.12	20	3160	6.3×5.8
		415.8	0.12	28	3160	6.3×7.7
	470	592	0.12	18	3470	6.3×7.7
	560	705	0.12	18	3950	6.3×7.7
	680	857	0.12	22	4100	6.3×7.7
	820	1033	0.12	22	4250	6.3×7.7
		1033	0.12	22	4500	8×10.5
	1000	1260	0.12	18	4500	8×10.5
10	47	94	0.12	45	2250	6.3×5.8
	150	300	0.12	22	2950	6.3×5.8
	220	440	0.12	38	2950	6.3×5.8
	220	440	0.12	38	2150	6.3×7.7
	330	660	0.12	35	3100	6.3×7.7
	470	940	0.12	32	2920	6.3×7.7
		940	0.12	35	3890	8×10.5

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10	560	1120	0.12	35	3950	8×10.5
	680	1360	0.12	32	3950	8×10.5
	1000	2000	0.12	35	4500	8×10.5
	1000	2000	0.12	22	4750	10×10.5
	10	32	0.12	78	740	6.3×5.8
	100	320	0.12	55	1850	6.3×5.8
	100	320	0.12	35	2650	6.3×7.7
	150	480	0.12	35	2700	6.3×7.7
	220	704	0.12	22	3470	6.3×7.7
	270	864	0.12	35	2840	6.3×7.7
16	330	1056	0.12	35	2950	6.3×7.7
	330	1056	0.12	28	3550	8×10.5
	470	1504	0.12	18	3890	8×10.5
	470	1540	0.12	28	4500	10×10.5
	560	1792	0.12	28	3750	8×10.5
	680	2176	0.12	28	3850	8×10.5
	1000	3200	0.12	28	5600	10×10.5

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25						
	47	235	0.12	45	2000	6.3×5.8
	56	280	0.12	35	2500	6.3×5.8
	68	340	0.12	45	2800	6.3×5.8
	100	500	0.12	48	2540	6.3×5.8
		500	0.12	40	2750	6.3×7.7
	220	1100	0.12	35	2900	6.3×7.7
		1100	0.12	38	3770	8×10.5
	270	1350	0.12	38	4100	8×10.5
	330	1650	0.12	35	4650	8×10.5
	390	1950	0.12	38	3500	8×10.5
	470	2350	0.12	38	4300	8×10.5
		2350	0.12	35	4900	10×10.5
	560	2800	0.12	38	4500	8×10.5
	680	3400	0.12	35	4900	8×10.5

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W.V (V)	Capacitance (UF)	LC (UA,2min)	tgδ 120HZ.20°	ESR MΩ,100kHz	Maximun permissible Current (mA,rms)	Size ΦD×L(mm)
35	10	70	0.12	78	680	6.3×5.8
	22	154	0.12	58	1750	6.3×5.8
	47	329	0.12	58	2150	6.3×5.8
	68	476	0.12	48	1850	6.3×7.7
	100	700	0.12	40	2860	6.3×7.7
	150	1050	0.12	28	3200	8×10.5
	220	1540	0.12	38	3890	8×10.5
	270	1890	0.12	35	4700	10×10.5
	330	2310	0.12	35	4900	10×10.5
50	10	100	0.12	78	550	6.3×5.8
	22	220	0.12	65	780	6.3×5.8
	100	1200	0.12	45	4650	10×10.5
	150	1500	0.12	38	2650	10×10.5
	220	2200	0.12	45	4900	10×10.5
63	5.6	70	0.12	120	380	6.3×5.8
	10	126	0.12	58	1650	6.3×5.8
	22	277	0.12	58	640	6.3×7.7
	47	592.2	0.12	48	3000	8×10.5
	56	705	0.12	48	980	10×10.5
80	47	752	0.12	55	3250	10×10.5
	150	1890	0.12	35	1650	10×10.5