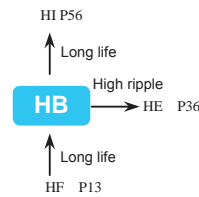


# HB 系列 SERIES



- 保证 105℃、3000 小时寿命。(叠加纹波电流)  
Endurance with ripple current: 3000 hours at 105℃
- 额定工作电压范围: 16V~500V  
Rated voltage range: 16V-500V
- 适合转换电源及通用变频器等平滑用。  
Ideal for switching power and inverter smoothing capacitors.



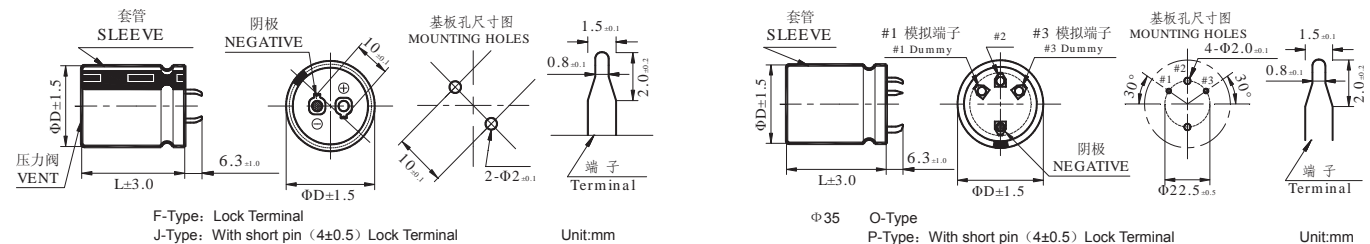
## ◆ 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics																							
工作温度范围 Operating Temperature Range	-40~+105℃	-25~+105℃																						
额定工作电压范围 Rated Working Voltage Range	16~250V	315~500V																						
静电容量允许偏差 Capacitance Tolerance	±20% (20℃, 120Hz)																							
损耗角正切值 Dissipation Factor (MAX) 20℃, 120Hz	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> <td>160~315</td> <td>350~400</td> <td>450~500</td> </tr> <tr> <td>tanδ</td> <td>0.50</td> <td>0.45</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.18</td> <td>0.20</td> </tr> </table>		U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~500	tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20
U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~500														
tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20														
阻抗比 Impedance Ratio (MAX) 120Hz	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>16~100</td> <td>160~200</td> <td>250</td> <td>315</td> <td>350~400</td> <td>450~500</td> </tr> <tr> <td>Z<sub>25℃</sub>/Z<sub>+20℃</sub></td> <td>4</td> <td>3</td> <td>4</td> <td>7</td> <td>7</td> <td>8</td> </tr> <tr> <td>Z<sub>40℃</sub>/Z<sub>+20℃</sub></td> <td>18</td> <td>15</td> <td>15</td> <td></td> <td></td> <td></td> </tr> </table>		U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~500	Z <sub>25℃</sub> /Z <sub>+20℃</sub>	4	3	4	7	7	8	Z <sub>40℃</sub> /Z <sub>+20℃</sub>	18	15	15				
U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~500																		
Z <sub>25℃</sub> /Z <sub>+20℃</sub>	4	3	4	7	7	8																		
Z <sub>40℃</sub> /Z <sub>+20℃</sub>	18	15	15																					
漏电流 Leakage Current (MAX)	I=0.01C <sub>R</sub> U <sub>R</sub> 或 1.5mA 取小者 (20℃, 施加额定电压 2 分钟后) I=0.01C <sub>R</sub> U <sub>R</sub> or 1.5mA whichever is minimum. (at 20℃, After 2 minutes application of rated voltage) I=漏电流 (µA) U <sub>R</sub> =额定电压 (V) C <sub>R</sub> =静电容量 (µF) Leakage Current Rated Voltage Rated Capacitance																							

	使用寿命 Useful Life	负荷寿命 Load Life	耐久性特性 Endurance Test	高温无负荷特性 Shelf Life
产品寿命 Life Time	5000h	>180000h	3000h	1000h
漏电流 Leakage Current	≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value
损耗角正切值变化率 tanδ change	≤规定值的 300% ≤300% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value
静电容量变化率 Capacitance Change	初始值±30%以内 Within±30% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value
施加条件 Condition 施加电压 Applied Voltage 施加纹波电流 Applied Ripple Current 环境温度 Applied Temperature 失效等级 Failure Rate Level	U <sub>R</sub> I <sub>R</sub> 105℃ ≤1% Failure rate	U <sub>R</sub> 1.4×I <sub>R</sub> 40℃ ≤1% Failure rate	U <sub>R</sub> I <sub>R</sub> 105℃ 0%	U <sub>R</sub> =0 I <sub>R</sub> =0 105℃ 0% Back up to 20℃ and placed more than 24 hours. U <sub>R</sub> to be applied for 60 min before measurement.

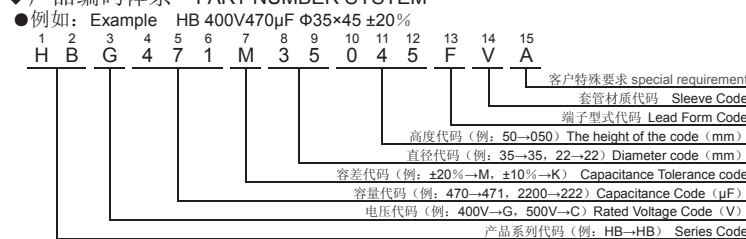
## ◆ 尺寸图 Dimensions

● 常用端子型式代码: Terminal Code



● 记载以外的端子形状, 请另行咨询。Please consult to us for the terminal type not displayed in content.

## ◆ 产品编码体系 PART NUMBER SYSTEM



## ◆ 纹波电流修正系数 Rated Ripple Current Multiplies

● 频率修正系数 Frequency coefficient

电压范围 (v) Rated voltage	频率 (Hz) Frequency				
	50 (60)	100 (120)	300	1k	≥10k
16~50WV	0.90	1.00	1.10	1.15	1.15
63~100WV	0.85	1.00	1.17	1.32	1.45
160~500WV	0.80	1.00	1.16	1.30	1.41

● 温度修正系数 Temperature coefficient

电压范围 (v) Rated voltage	温度 (℃) Temperature				
	+40	+55	+70	+85	+105
16~500WV	2.7	2.5	2.1	1.7	1.0

# HB 系列 SERIES

◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
16 (20)	6800	22×25	0.50	2.25	HBV682M22025□VA
	8200	25×25	0.50	2.43	HBV822M25025□VA
	10000	22×30	0.50	2.79	HBV103M22030□VA
	10000	25×25	0.50	2.79	HBV103M25025□VA
	12000	22×35	0.50	2.90	HBV123M22035□VA
	12000	25×30	0.50	2.90	HBV123M25030□VA
	12000	30×25	0.50	2.90	HBV123M30025□VA
	15000	22×40	0.50	3.20	HBV153M22040□VA
	15000	25×35	0.50	3.20	HBV153M25035□VA
	18000	22×45	0.50	3.50	HBV183M22045□VA
	18000	25×40	0.50	3.50	HBV183M25040□VA
	18000	30×30	0.50	3.50	HBV183M30030□VA
	18000	35×25	0.50	3.50	HBV183M35025□VA
	22000	25×45	0.50	3.80	HBV223M25045□VA
	22000	30×35	0.50	3.80	HBV223M30035□VA
	27000	25×50	0.50	4.20	HBV273M25050□VA
	27000	30×40	0.50	4.20	HBV273M30040□VA
	27000	35×30	0.50	4.20	HBV273M35030□VA
	33000	30×45	0.50	4.70	HBV333M30045□VA
	33000	35×35	0.50	4.70	HBV333M35035□VA
	39000	30×50	0.50	5.10	HBV393M30050□VA
	39000	35×35	0.50	5.10	HBV393M35035□VA
	47000	35×40	0.50	5.55	HBV473M35040□VA
	56000	30×60	0.50	5.90	HBV563M30060□VA
56000	35×45	0.50	5.90	HBV563M35045□VA	
68000	35×55	0.50	6.30	HBV683M35055□VA	
82000	35×60	0.50	6.40	HBV823M35060□VA	
25 (32)	4700	22×25	0.45	2.04	HBU472M22025□VA
	5600	25×25	0.45	2.23	HBU562M25025□VA
	6800	22×30	0.45	2.40	HBU682M22030□VA
	6800	25×25	0.45	2.40	HBU682M25025□VA
	8200	22×35	0.45	2.70	HBU822M22035□VA
	8200	25×30	0.45	2.70	HBU822M25030□VA
	8200	30×25	0.45	2.70	HBU822M30025□VA
	10000	22×40	0.45	3.00	HBU103M22040□VA
	10000	25×35	0.45	3.00	HBU103M25035□VA
	12000	22×45	0.45	3.20	HBU123M22045□VA
	12000	25×40	0.45	3.20	HBU123M25040□VA
	12000	30×30	0.45	3.20	HBU123M30030□VA
	12000	35×25	0.45	3.20	HBU123M35025□VA
	15000	25×45	0.45	3.60	HBU153M25045□VA
	15000	30×35	0.45	3.60	HBU153M30035□VA
	15000	35×30	0.45	3.60	HBU153M35030□VA
	18000	25×50	0.45	3.90	HBU183M25050□VA
	18000	30×40	0.45	3.90	HBU183M30040□VA
	18000	35×30	0.45	3.90	HBU183M35030□VA
	22000	30×45	0.45	4.30	HBU223M30045□VA
	22000	35×35	0.45	4.30	HBU223M35035□VA
	27000	30×50	0.45	4.80	HBU273M30050□VA
	27000	35×45	0.45	4.80	HBU273M35045□VA
	33000	35×50	0.45	5.55	HBU333M35050□VA
35 (44)	3300	22×25	0.40	1.94	HBT332M22025□VA
	3900	22×30	0.40	2.02	HBT392M22030□VA
	4700	25×25	0.40	2.20	HBT472M25025□VA
	5600	22×35	0.40	2.40	HBT562M22035□VA
	5600	25×30	0.40	2.40	HBT562M25030□VA
	5600	30×25	0.40	2.40	HBT562M30025□VA
	6800	22×40	0.40	2.78	HBT682M22040□VA

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number	
35 (44)	6800	25×35	0.40	2.78	HBT682M25035□VA	
	8200	22×50	0.40	2.90	HBT822M22050□VA	
	8200	25×40	0.40	2.90	HBT822M25040□VA	
	8200	30×30	0.40	2.90	HBT822M30030□VA	
	8200	35×25	0.40	2.90	HBT822M35025□VA	
	10000	25×45	0.40	3.20	HBT103M25045□VA	
	10000	30×35	0.40	3.20	HBT103M30035□VA	
	12000	25×50	0.40	3.50	HBT123M25050□VA	
	12000	30×40	0.40	3.50	HBT123M30040□VA	
	12000	35×30	0.40	3.50	HBT123M35030□VA	
	15000	30×45	0.40	3.90	HBT153M30045□VA	
	15000	35×35	0.40	3.90	HBT153M35035□VA	
	18000	35×40	0.40	4.51	HBT183M35040□VA	
	22000	35×50	0.40	5.24	HBT223M35050□VA	
	27000	35×55	0.40	5.60	HBT273M35055□VA	
	50 (63)	1800	22×25	0.35	1.53	HBR182M22025□VA
		2200	22×30	0.35	1.72	HBR222M22030□VA
		2700	22×30	0.35	1.82	HBR272M22030□VA
		2700	25×25	0.35	1.80	HBR272M25025□VA
		3300	22×35	0.35	2.01	HBR332M22035□VA
		3300	25×30	0.35	2.01	HBR332M25030□VA
		3900	22×40	0.35	2.23	HBR392M22040□VA
		3900	25×35	0.35	2.23	HBR392M25035□VA
		3900	30×25	0.35	2.23	HBR392M30025□VA
4700		22×45	0.35	2.50	HBR472M22045□VA	
4700		30×30	0.35	2.50	HBR472M30030□VA	
4700		35×25	0.35	2.50	HBR472M35025□VA	
5600		22×50	0.35	2.80	HBR562M22050□VA	
5600		25×40	0.35	2.80	HBR562M25040□VA	
5600		30×35	0.35	2.80	HBR562M30035□VA	
6800		25×50	0.35	3.30	HBR682M25050□VA	
6800		30×40	0.35	3.30	HBR682M30040□VA	
6800		35×30	0.35	3.30	HBR682M35030□VA	
8200		30×45	0.35	3.85	HBR822M30045□VA	
8200		35×35	0.35	3.85	HBR822M35035□VA	
10000		30×50	0.35	4.49	HBR103M30050□VA	
10000		35×40	0.35	4.49	HBR103M35040□VA	
12000		35×45	0.35	4.56	HBR123M35045□VA	
15000		35×50	0.35	4.80	HBR153M35050□VA	
18000	35×60	0.35	5.10	HBR183M35060□VA		
63 (79)	1200	22×25	0.30	1.40	HBQ122M22025□VA	
	1500	22×25	0.30	1.52	HBQ152M22025□VA	
	1800	22×30	0.30	1.72	HBQ182M22030□VA	
	1800	25×25	0.30	1.72	HBQ182M25025□VA	
	2200	22×35	0.30	2.01	HBQ222M22035□VA	
	2200	25×30	0.30	2.01	HBQ222M25030□VA	
	2700	22×40	0.30	2.20	HBQ272M22040□VA	
	2700	25×35	0.30	2.20	HBQ272M25035□VA	
	2700	30×25	0.30	2.20	HBQ272M30025□VA	
	3300	22×50	0.30	2.60	HBQ332M22050□VA	
	3300	25×40	0.30	2.60	HBQ332M25040□VA	
	3300	30×30	0.30	2.60	HBQ332M30030□VA	
	3300	35×25	0.30	2.60	HBQ332M35025□VA	
	3900	25×45	0.30	2.57	HBQ392M25045□VA	
	3900	30×35	0.30	2.70	HBQ392M30035□VA	
4700	25×50	0.30	3.00	HBQ472M25050□VA		
4700	30×40	0.30	3.00	HBQ472M30040□VA		
4700	35×30	0.30	3.00	HBQ472M35030□VA		

\*产品编码中□内为产品端子引出型式代码  
\*□Enter the appropriate terminal code

# HB 系列 SERIES

◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
63 (79)	5600	30×45	0.30	3.22	HBQ562M30045□VA
	5600	35×35	0.30	3.30	HBQ562M35035□VA
	6800	30×50	0.30	3.68	HBQ682M30050□VA
	6800	35×40	0.30	3.84	HBQ682M35040□VA
	8200	35×45	0.30	4.43	HBQ822M35045□VA
	10000	35×50	0.30	5.11	HBQ103M35050□VA
80 (100)	12000	35×55	0.30	5.30	HBQ123M35055□VA
	820	22×25	0.25	1.04	HBP821M22025□VA
	1000	22×25	0.25	1.19	HBP102M22025□VA
	1200	22×30	0.25	1.50	HBP122M22030□VA
	1200	25×25	0.25	1.50	HBP122M25025□VA
	1500	22×35	0.25	1.59	HBP152M22035□VA
	1500	25×30	0.25	1.59	HBP152M25030□VA
	1800	22×40	0.25	1.79	HBP182M22040□VA
	1800	30×25	0.25	1.79	HBP182M30025□VA
	2200	22×45	0.25	2.03	HBP222M22045□VA
	2200	25×35	0.25	2.10	HBP222M25035□VA
	2200	30×30	0.25	2.10	HBP222M30030□VA
	2200	35×25	0.25	2.10	HBP222M35025□VA
	2700	25×45	0.25	2.35	HBP272M25045□VA
	2700	30×35	0.25	2.35	HBP272M30035□VA
	3300	25×50	0.25	2.60	HBP332M25050□VA
	3300	30×40	0.25	2.61	HBP332M30040□VA
	3300	35×30	0.25	2.64	HBP332M35030□VA
	3900	30×45	0.25	2.97	HBP392M30045□VA
	3900	35×35	0.25	2.97	HBP392M35035□VA
	4700	30×50	0.25	3.34	HBP472M30050□VA
	4700	35×40	0.25	3.38	HBP472M35040□VA
	5600	35×45	0.25	3.80	HBP562M35045□VA
	6800	35×50	0.25	3.90	HBP682M35050□VA
8200	35×55	0.25	4.20	HBP822M35055□VA	
10000	35×60	0.25	4.48	HBP103M35060□VA	
100 (125)	560	22×25	0.20	0.95	HBO561M22025□VA
	680	22×30	0.20	1.15	HBO681M22030□VA
	820	22×30	0.20	1.40	HBO821M22030□VA
	820	25×25	0.20	1.40	HBO821M25025□VA
	1000	22×35	0.20	1.47	HBO102M22035□VA
	1000	25×30	0.20	1.47	HBO102M25030□VA
	1200	22×40	0.20	1.69	HBO122M22040□VA
	1200	25×35	0.20	1.68	HBO122M25035□VA
	1200	30×25	0.20	1.68	HBO122M30025□VA
	1500	22×45	0.20	1.97	HBO152M22045□VA
	1500	25×40	0.20	1.98	HBO152M25040□VA
	1500	30×30	0.20	1.95	HBO152M30030□VA
	1500	35×25	0.20	1.95	HBO152M35025□VA
	1800	25×45	0.20	2.20	HBO182M25045□VA
	1800	30×35	0.20	2.20	HBO182M30035□VA
	1800	35×30	0.20	2.20	HBO182M35030□VA
	2200	25×50	0.20	2.53	HBO222M25050□VA
	2200	30×40	0.20	2.55	HBO222M30040□VA
	2200	35×30	0.20	2.60	HBO222M35030□VA
	2700	30×45	0.20	2.86	HBO272M30045□VA
	2700	35×35	0.20	2.90	HBO272M35035□VA
	3300	30×50	0.20	3.30	HBO332M30050□VA
	3300	35×40	0.20	3.30	HBO332M35040□VA
	3900	35×45	0.20	3.67	HBO392M35045□VA
4700	35×50	0.20	3.80	HBO472M35050□VA	
5600	35×60	0.20	4.05	HBO562M35060□VA	

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
160 (200)	330	22×25	0.15	1.20	HBN331M22025□VA
	390	22×30	0.15	1.30	HBN391M22030□VA
	470	22×35	0.15	1.55	HBN471M22035□VA
	470	25×25	0.15	1.55	HBN471M25025□VA
	560	22×40	0.15	1.67	HBN561M22040□VA
	560	25×30	0.15	1.67	HBN561M25030□VA
	680	22×45	0.15	1.82	HBN681M22045□VA
	680	25×35	0.15	1.82	HBN681M25035□VA
	680	30×25	0.15	1.82	HBN681M30025□VA
	820	22×50	0.15	2.04	HBN821M22050□VA
	820	25×40	0.15	2.04	HBN821M25040□VA
	820	30×30	0.15	2.04	HBN821M30030□VA
	820	35×25	0.15	2.04	HBN821M35025□VA
	1000	25×45	0.15	2.40	HBN102M25045□VA
	1000	30×35	0.15	2.25	HBN102M30035□VA
	1200	25×50	0.15	2.49	HBN122M25050□VA
	1200	30×40	0.15	2.49	HBN122M30040□VA
	1200	35×30	0.15	2.49	HBN122M35030□VA
	1500	30×45	0.15	2.84	HBN152M30045□VA
	1500	35×35	0.15	2.84	HBN152M35035□VA
	1800	35×45	0.15	3.32	HBN182M35045□VA
	2200	35×50	0.15	3.60	HBN222M35050□VA
	2700	35×60	0.15	4.16	HBN272M35060□VA
	200 (250)	220	22×25	0.15	1.00
330		22×30	0.15	1.25	HBL331M22030□VA
330		25×25	0.15	1.25	HBL331M25025□VA
390		22×35	0.15	1.35	HBL391M22035□VA
470		22×40	0.15	1.50	HBL471M22040□VA
470		25×30	0.15	1.50	HBL471M25030□VA
470		30×25	0.15	1.50	HBL471M30025□VA
560		22×45	0.15	1.67	HBL561M22045□VA
560		25×35	0.15	1.60	HBL561M25035□VA
680		22×50	0.15	1.78	HBL681M22050□VA
680		25×40	0.15	1.78	HBL681M25040□VA
680		30×30	0.15	1.78	HBL681M30030□VA
680		35×25	0.15	1.78	HBL681M35025□VA
820		25×50	0.15	2.00	HBL821M25050□VA
820		30×35	0.15	2.04	HBL821M30035□VA
820		35×30	0.15	2.00	HBL821M35030□VA
1000		30×45	0.15	2.30	HBL102M30045□VA
1000		35×35	0.15	2.30	HBL102M35035□VA
1200	30×50	0.15	2.65	HBL122M30050□VA	
1200	35×40	0.15	2.65	HBL122M35040□VA	
1500	35×45	0.15	3.12	HBL152M35045□VA	
1800	35×50	0.15	3.50	HBL182M35050□VA	
2200	35×60	0.15	4.32	HBL222M35060□VA	
250 (300)	180	22×25	0.15	0.90	HBJ181M22025□VA
	220	22×30	0.15	1.00	HBJ221M22030□VA
	220	25×25	0.15	1.00	HBJ221M25025□VA
	270	22×35	0.15	1.18	HBJ271M22035□VA
	330	22×40	0.15	1.30	HBJ331M22040□VA
	330	25×30	0.15	1.30	HBJ331M25030□VA
	330	30×25	0.15	1.30	HBJ331M30025□VA
	390	22×45	0.15	1.49	HBJ391M22045□VA
	390	25×35	0.15	1.49	HBJ391M25035□VA
	470	22×50	0.15	1.65	HBJ471M22050□VA
	470	25×40	0.15	1.65	HBJ471M25040□VA
	470	30×30	0.15	1.65	HBJ471M30030□VA

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\*□Enter the appropriate terminal code

HB 系列 SERIES

◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
250 (300)	470	35×25	0.15	1.65	HBJ471M35025□VA
	560	25×45	0.15	1.80	HBJ561M25045□VA
	560	30×35	0.15	1.80	HBJ561M30035□VA
	560	35×30	0.15	1.80	HBJ561M35030□VA
	680	25×50	0.15	2.00	HBJ681M25050□VA
	680	30×40	0.15	2.00	HBJ681M30040□VA
	820	30×45	0.15	2.30	HBJ821M30045□VA
	820	35×35	0.15	2.30	HBJ821M35035□VA
	1000	30×50	0.15	2.70	HBJ102M30050□VA
	1000	35×40	0.15	2.70	HBJ102M35040□VA
1200	35×45	0.15	3.09	HBJ122M35045□VA	
350 (400)	68	22×25	0.18	0.47	HBH680M22025□VA
	100	22×30	0.18	0.60	HBH101M22030□VA
	100	25×25	0.18	0.60	HBH101M25025□VA
	120	22×35	0.18	0.70	HBH121M22035□VA
	150	22×40	0.18	0.77	HBH151M22040□VA
	150	25×30	0.18	0.78	HBH151M25030□VA
	150	30×25	0.18	0.78	HBH151M30025□VA
	180	22×45	0.18	0.87	HBH181M22045□VA
	180	25×35	0.18	0.92	HBH181M25035□VA
	180	30×30	0.18	0.90	HBH181M30030□VA
	220	22×50	0.18	1.04	HBH221M22050□VA
	220	25×40	0.18	1.04	HBH221M25040□VA
	220	35×25	0.18	1.04	HBH221M35025□VA
	270	25×50	0.18	1.18	HBH271M25050□VA
	270	30×35	0.18	1.17	HBH271M30035□VA
	270	35×30	0.18	1.12	HBH271M35030□VA
	330	30×45	0.18	1.34	HBH331M30045□VA
	330	35×35	0.18	1.22	HBH331M35035□VA
	390	30×50	0.18	1.44	HBH391M30050□VA
	390	35×40	0.18	1.44	HBH391M35040□VA
470	30×50	0.18	1.57	HBH471M30050□VA	
470	35×45	0.18	1.69	HBH471M35045□VA	
560	30×60	0.18	1.85	HBH561M30060□VA	
560	35×50	0.18	1.90	HBH561M35050□VA	
680	35×55	0.18	2.22	HBH681M35055□VA	
820	35×60	0.18	2.40	HBH821M35060□VA	
1000	35×60	0.18	3.00	HBH102M35060□VA	
400 (450)	68	22×25	0.18	0.55	HBG680M22025□VA
	82	22×30	0.18	0.64	HBG820M22030□VA
	82	25×25	0.18	0.64	HBG820M25025□VA
	100	22×30	0.18	0.70	HBG101M22030□VA
	100	25×25	0.18	0.70	HBG101M25025□VA
	120	22×35	0.18	0.75	HBG121M22035□VA
	120	25×30	0.18	0.75	HBG121M25030□VA
	120	30×25	0.18	0.75	HBG121M30025□VA
	150	22×40	0.18	0.77	HBG151M22040□VA
	150	25×35	0.18	0.78	HBG151M25035□VA
	150	30×25	0.18	0.78	HBG151M30025□VA
	180	22×50	0.18	0.96	HBG181M22050□VA
	180	25×40	0.18	0.98	HBG181M25040□VA
	180	30×30	0.18	0.98	HBG181M30030□VA
	180	35×25	0.18	0.98	HBG181M35025□VA
	220	25×45	0.18	1.06	HBG221M25045□VA
	220	30×35	0.18	1.04	HBG221M30035□VA
	220	35×25	0.18	1.10	HBG221M35025□VA
	270	25×50	0.18	1.29	HBG271M25050□VA
	270	30×40	0.18	1.22	HBG271M30040□VA

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
400 (450)	270	35×30	0.18	1.22	HBG271M35030□VA
	330	30×45	0.18	1.55	HBG331M30045□VA
	330	35×35	0.18	1.44	HBG331M35035□VA
	390	30×50	0.18	1.60	HBG391M30050□VA
	390	35×40	0.18	1.60	HBG391M35040□VA
	470	30×50	0.18	1.90	HBG471M30050□VA
	470	35×45	0.18	1.90	HBG471M35045□VA
	560	35×50	0.18	2.12	HBG561M35050□VA
	680	35×60	0.18	2.21	HBG681M35060□VA
	450 (500)	56	22×25	0.20	0.5
68		22×30	0.20	0.53	HBE680M22030□VA
68		25×25	0.20	0.53	HBE680M25025□VA
82		22×35	0.20	0.64	HBE820M22035□VA
82		25×30	0.20	0.64	HBE820M25030□VA
100		22×40	0.20	0.65	HBE101M22040□VA
100		25×30	0.20	0.64	HBE101M25030□VA
100		30×25	0.20	0.72	HBE101M30025□VA
120		22×45	0.20	0.80	HBE121M22045□VA
120		25×35	0.20	0.80	HBE121M25035□VA
120		30×30	0.20	0.80	HBE121M30030□VA
150		22×50	0.20	0.84	HBE151M22050□VA
150		25×40	0.20	0.88	HBE151M25040□VA
150		30×30	0.20	0.88	HBE151M30030□VA
150		35×25	0.20	0.88	HBE151M35025□VA
180		25×45	0.20	1.00	HBE181M25045□VA
180		30×35	0.20	1.00	HBE181M30035□VA
180		35×30	0.20	1.04	HBE181M35030□VA
220		25×50	0.20	1.12	HBE221M25050□VA
220		30×40	0.20	1.12	HBE221M30040□VA
220	35×30	0.20	1.12	HBE221M35030□VA	
270	30×45	0.20	1.28	HBE271M30045□VA	
270	35×35	0.20	1.28	HBE271M35035□VA	
330	30×50	0.20	1.39	HBE331M30050□VA	
330	35×40	0.20	1.45	HBE331M35040□VA	
390	30×60	0.20	1.60	HBE391M30060□VA	
390	35×45	0.20	1.60	HBE391M35045□VA	
470	35×50	0.20	1.85	HBE471M35050□VA	
560	35×60	0.20	2.00	HBE561M35060□VA	
500 (550)	47	22×30	0.20	0.41	HBC470M22030□VA
	56	22×30	0.20	0.41	HBC560M22030□VA
	68	22×35	0.20	0.54	HBC680M22035□VA
	68	25×30	0.20	0.54	HBC680M25030□VA
	82	22×40	0.20	0.62	HBC820M22040□VA
	82	25×35	0.20	0.62	HBC820M25035□VA
	100	22×45	0.20	0.67	HBC101M22045□VA
	100	25×40	0.20	0.67	HBC101M25040□VA
	100	30×30	0.20	0.67	HBC101M30030□VA
	120	22×50	0.20	0.77	HBC121M22050□VA
	120	25×40	0.20	0.77	HBC121M25040□VA
	120	30×35	0.20	0.77	HBC121M30035□VA
	120	35×30	0.20	0.80	HBC121M35030□VA
	150	25×45	0.20	0.82	HBC151M25045□VA
	150	30×40	0.20	0.85	HBC151M30040□VA
	150	35×35	0.20	0.85	HBC151M35035□VA
	180	25×50	0.20	0.98	HBC181M25050□VA
	180	30×45	0.20	1.01	HBC181M30045□VA
	220	30×50	0.20	1.12	HBC221M30050□VA
	220	35×40	0.20	1.12	HBC221M35040□VA

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# HB 系列 SERIES

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 105°C 120Hz (Arms)	Catalog Part Number
500 (550)	270	30×50	0.20	1.25	HBC271M30050□VA
	270	35×40	0.20	1.25	HBC271M35040□VA
	330	35×45	0.20	1.36	HBC331M35045□VA
	390	35×50	0.20	1.54	HBC391M35050□VA
	470	35×60	0.20	1.69	HBC471M35060□VA

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\*记载之外的体积，请另行咨询。

\* Please consult to us for the terminal type not displayed in content.

\*铝电解电容器由于承受纹波电流而发热，随着温升而发生性能劣化，每升高5°C寿命减少一半。请在使用中降低产品承受的纹波电流。

Aluminum electrolytic capacitor will emit heat when ripple current is applied, the performance will deteriorate when temp. rises. the useful life will be half of original life when temp rises every 5°C. Please reduce the ripple current when using capacitor.