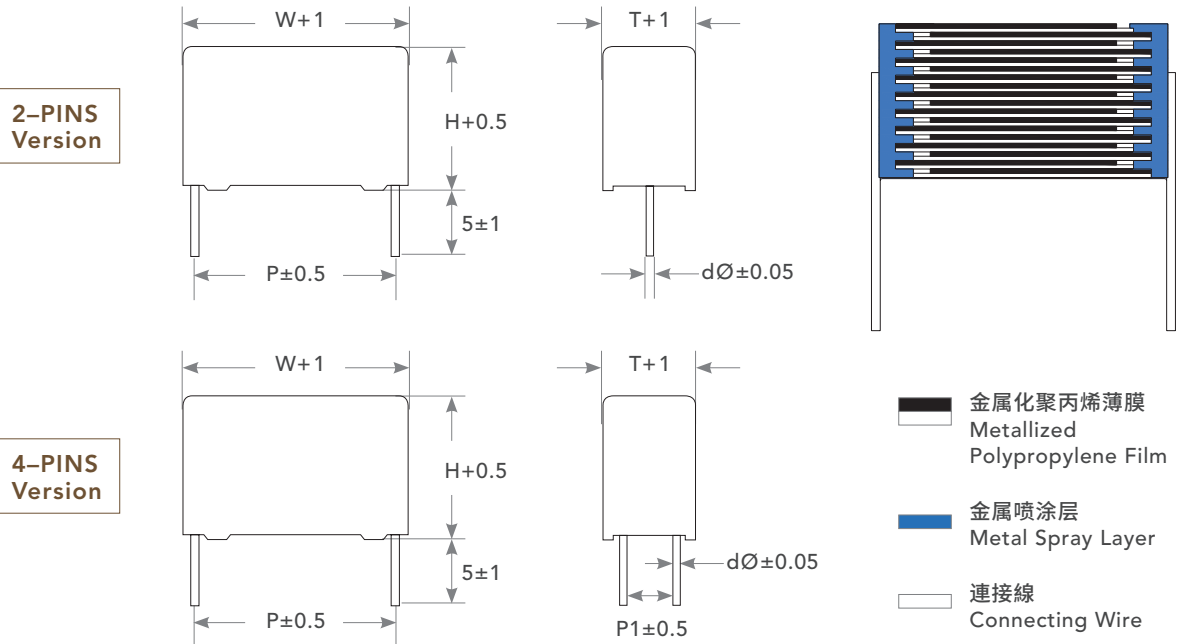


金属化聚丙烯薄膜电容 (EPB) 直流支撑; THB-1000H
METALLIZED POLYPROPYLENE FILM CAPACITOR-RADIAL (EPB) DC-LINK; THB-1000H

EPB

THB-版-防潮 (THB-Version-Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
Dielectric: Metallized Polypropylene Film
- 绕卷: 低感式
Winding: Low inductive type
- 导线: 镀锡线
Leads: Tinned Wire
- 外层: 阻燃塑胶外壳, 环氧树脂填充
Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高电容密度
High Capacitance Density
- 高纹波电流
High Ripple Current
- 良好的自愈性
Self-healing properties
- 高性能直流滤波应用
High performance DC filtering applications

推荐应用 Recommended Application:

- 变频器
Frequency converters
- 太阳能逆变器
Solar inverters
- 恶劣环境条件(室外)
Severe ambient conditions (outdoor)

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 61071/60068				
额定电压 Rated Voltage	V _{NDC} 85°C	700V	800V	900V	1100V
	V _{OPDC} 70°C	800V	900V	1100V	1300V
	V _{OPDC} 105°C	500V	550V	650V	800V
额定温度 Rated Temperature	-40°C ~ +85°C				
最大运行温度(外壳) Maximum Operating Temperature (Case)	105°C				
容量范围 Capacitance Range	1.0μF ~ 60.0μF				
容量误差 Capacitance Tolerance	± 10% (K), ± 20% (M)				
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ±5°C), Voltage charge time: 1 minute. Voltage: 100VDC ≥ 10000MΩ × μF				
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.5 × V _R applied for 10sec.				
自感 (Ls) Self inductance (Ls)	mm < 1 nH < 1 nH per mm of lead spacing				

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: V _R (DC) 周期 Duration: 1000 hours	容量变化 Capacitance change ΔC/C : ≤ 10% 变化 Δtanδ DF change ≤ 3.5% at 1KHz 绝缘阻抗 Insulation Resistance: ≥ 50% of spec value

V _{NDC} 85°C = 700VDC, V _{OPDC} 70°C = 800VDC															
Cap (μ F)	V _{NDC}	Dimensions (mm)			P mm	P1 mm	d \varnothing mm	dv/dt V/ μ s	I _{PEAK} A	ESR 10KHz m Ω	I _{rms} 10KHz A	tan δ 1KHz %	tan δ 10KHz %	SPQ	料号 Part Number
		W	H	T											
1.0	700	31	18	9	27.5	-	0.8	75	75	65	2.5	0.09	0.65	252	EPB-105*0700DB127BU
3.0	700	31	20	11	27.5	-	0.8	75	225	28	4	0.09	0.65	207	EPB-305*0700DB127BU
5.0	700	31	24.5	15	27.5	-	0.8	75	375	19	6	0.09	0.65	153	EPB-505*0700DB127BU
7.0	700	31	28	18	27.5	-	0.8	75	525	13	8	0.09	0.65	126	EPB-705*0700DB127BU
10.0	700	31	31	22	27.5	-	0.8	75	750	10	10	0.10	0.70	99	EPB-106*0700DB127BU
12.0	700	31	37	22	27.5	-	0.8	75	900	8	11.5	0.10	0.70	99	EPB-126*0700DB127BU
15.0	700	41.5	35	20	37.5	-	1.0	40	600	11	9	0.15	1.3	84	EPB-156*0700DB137BU
15.0	700	41.5	35	20	37.5	10.2	1.2	40	600	10	10	0.13	1.2	84	EPB-156*0700DB137BU-F
20.0	700	41.5	39	24	37.5	-	1.0	40	800	9	11	0.15	1.3	70	EPB-206*0700DB137BU
20.0	700	41.5	39	24	37.5	10.2	1.2	40	800	8	12	0.13	1.2	70	EPB-206*0700DB137BU-F
22.0	700	41.5	38	28	37.5	-	1.0	40	880	6.5	13	0.15	1.3	56	EPB-226*0700DB137BU
22.0	700	41.5	38	28	37.5	10.2	1.2	40	880	6.5	13.5	0.13	1.2	56	EPB-226*0700DB137BU-F
25.0	700	41.5	41	27.5	37.5	-	1.0	40	1000	6.5	13.5	0.15	1.3	56	EPB-256*0700DB137BU
25.0	700	41.5	41	27.5	37.5	10.2	1.2	40	1000	6	14.5	0.13	1.2	56	EPB-256*0700DB137BU-F
30.0	700	41.5	45	30	37.5	-	1.0	40	1200	5.5	16	0.15	1.3	56	EPB-306*0700DB137BU
30.0	700	41.5	45	30	37.5	20.3	1.2	40	1200	5	17	0.13	1.2	56	EPB-306*0700DB137BU-FF
45.0	700	58	45	30	52.5	20.3	1.2	20	900	6.5	15	0.25	2.4	40	EPB-456*0700DB152BU-FF
50.0	700	58	50	35	52.5	20.3	1.2	20	1000	6	15.5	0.25	2.4	35	EPB-506*0700DB152BU-FF
55.0	700	58	50	35	52.5	20.3	1.2	20	1100	5.5	18	0.25	2.4	35	EPB-556*0700DB152BU-FF
60.0	700	58	50	35	52.5	20.3	1.2	20	1200	5.5	19	0.25	2.4	35	EPB-606*0700DB152BU-FF

TYPE NO.

* = Capacitance tolerance code

K = $\pm 10\%$, M = $\pm 20\%$

V_{NDC} 85°C = 800VDC, V_{OPDC} 70°C = 900VDC

Cap (μ F)	V _{NDC}	Dimensions (mm)			P mm	P1 mm	d \emptyset mm	dv/dt V/ μ s	I _{PEAK} A	ESR 10KHz m Ω	I _{rms} 10KHz A	tan δ 1KHz %	tan δ 10KHz %	SPQ	料号 Part Number
		W	H	T											
1.0	800	31	18	9	27.5	-	0.8	80	80	70	2	0.08	0.6	252	EPB-105*0800DB127BU
2.0	800	31	20	11	27.5	-	0.8	80	160	40	3.5	0.08	0.6	207	EPB-205*0800DB127BU
3.0	800	31	22	13	27.5	-	0.8	80	240	28	4.5	0.08	0.6	171	EPB-305*0800DB127BU
4.0	800	31	24.5	15	27.5	-	0.8	80	320	19	5.5	0.08	0.6	153	EPB-405*0800DB127BU
5.0	800	31	28	18	27.5	-	0.8	80	400	16	7	0.08	0.6	126	EPB-505*0800DB127BU
6.0	800	31	28	18	27.5	-	0.8	80	480	12	7.5	0.10	0.65	126	EPB-605*0800DB127BU
7.0	800	31	33	18	27.5	-	0.8	80	560	11	9	0.10	0.65	117	EPB-705*0800DB127BU
8.0	800	31	31	22	27.5	-	0.8	80	640	10	9.5	0.10	0.65	99	EPB-805*0800DB127BU
9.0	800	31	37	22	27.5	-	0.8	80	720	9.5	10	0.10	0.65	99	EPB-905*0800DB127BU
10.0	800	41.5	35	20	37.5	-	1.0	45	450	15.5	8	0.14	1.2	84	EPB-106*0800DB137BU
10.0	800	41.5	35	20	37.5	10.2	1.2	45	450	14.5	8.5	0.12	1.1	84	EPB-106*0800DB137BU-F
12.0	800	41.5	35.5	22.5	37.5	-	1.0	45	540	12	8.5	0.14	1.2	70	EPB-126*0800DB137BU
12.0	800	41.5	35.5	22.5	37.5	10.2	1.2	45	540	11	9	0.12	1.1	70	EPB-126*0800DB137BU-F
15.0	800	41.5	39	24	37.5	-	1.0	45	675	10	10	0.14	1.2	70	EPB-156*0800DB137BU
15.0	800	41.5	39	24	37.5	10.2	1.2	45	675	9	11	0.12	1.1	70	EPB-156*0800DB137BU-F
20.0	800	41.5	41	27.5	37.5	-	1.0	45	900	8	13	0.14	1.2	56	EPB-206*0800DB137BU
20.0	800	41.5	41	27.5	37.5	10.2	1.2	45	900	7	13.5	0.12	1.1	56	EPB-206*0800DB137BU-F
22.0	800	41.5	45	30	37.5	-	1.0	45	990	7	14.5	0.14	1.2	56	EPB-226*0800DB137BU
22.0	800	41.5	45	30	37.5	20.3	1.2	45	990	6	15.5	0.12	1.1	56	EPB-226*0800DB137BU-FF
25.0	800	41.5	45	32	37.5	-	1.0	45	1125	6	15.5	0.14	1.2	49	EPB-256*0800DB137BU
25.0	800	41.5	45	32	37.5	20.3	1.2	45	1125	5.5	16	0.12	1.1	49	EPB-256*0800DB137BU-FF
30.0	800	58	45	30	52.5	20.3	1.2	25	750	9	12	0.22	2.2	40	EPB-306*0800DB152BU-FF
35.0	800	58	45	30	52.5	20.3	1.2	25	875	8	14.5	0.22	2.2	40	EPB-356*0800DB152BU-FF
40.0	800	58	50	35	52.5	20.3	1.2	25	1000	6.5	15	0.22	2.2	35	EPB-406*0800DB152BU-FF
45.0	800	58	50	35	52.5	20.3	1.2	25	1125	6	17	0.22	2.2	35	EPB-456*0800DB152BU-FF
50.0	800	58	53	38	52.5	20.3	1.2	25	1250	5.5	18	0.22	2.2	30	EPB-506*0800DB152BU-FF

TYPE NO.

* = Capacitance tolerance code

K = \pm 10%, M = \pm 20%

V_{NDC} 85°C = 900VDC, V_{OPDC} 70°C = 1100VDC

Cap (μ F)	V _{NDC}	Dimensions (mm)			P mm	P1 mm	d \varnothing mm	dv/dt V/ μ s	I _{PEAK} A	ESR 10KHz m Ω	I _{rms} 10KHz A	tan δ 1KHz %	tan δ 10KHz %	SPQ	料号 Part Number
		W	H	T											
1.0	900	31	18	9	27.5	-	0.8	80	80	70	2	0.08	0.55	252	EPB-105*0900DB127BU
2.0	900	31	22	13	27.5	-	0.8	80	160	33	3.5	0.08	0.55	171	EPB-205*0900DB127BU
5.0	900	31	30.5	20	27.5	-	0.8	80	400	16.5	7.5	0.08	0.55	108	EPB-505*0900DB127BU
7.0	900	31	37	22	27.5	-	0.8	80	560	10	9	0.10	0.60	99	EPB-705*0900DB127BU
10.0	900	41.5	35.5	22.5	37.5	-	1	54	540	16.5	8.5	0.12	1.0	70	EPB-106*0900DB137BU
10.0	900	41.5	35.5	22.5	37.5	10.2	1.2	54	540	13.5	9	0.11	0.95	70	EPB-106*0900DB137BU-F
12.0	900	41.5	39	24	37.5	-	1	54	648	12	9.5	0.12	1.0	70	EPB-126*0900DB137BU
12.0	900	41.5	39	24	37.5	10.2	1.2	54	648	11.5	10	0.11	0.95	70	EPB-126*0900DB137BU-F
14.0	900	41.5	38	28	37.5	-	1	54	756	11	10	0.12	1.0	56	EPB-146*0900DB137BU
14.0	900	41.5	38	28	37.5	10.2	1.2	54	756	10	11	0.11	0.95	56	EPB-146*0900DB137BU-F
16.0	900	41.5	41	27.5	37.5	-	1	54	864	9	11	0.12	1.0	56	EPB-166*0900DB137BU
16.0	900	41.5	41	27.5	37.5	10.2	1.2	54	864	8.5	12	0.11	0.95	56	EPB-166*0900DB137BU-F
20.0	900	41.5	45	30	37.5	-	1	54	1080	6.5	14	0.12	1.0	56	EPB-206*0900DB137BU
20.0	900	41.5	45	30	37.5	20.3	1.2	54	1080	6	15.5	0.11	0.95	56	EPB-206*0900DB137BU-FF
25.0	900	58	45	30	52.5	20.3	1.2	35	875	10	11.5	0.20	1.9	40	EPB-256*0900DB152BU-FF
30.0	900	58	45	30	52.5	20.3	1.2	35	1050	9	13	0.20	1.9	40	EPB-306*0900DB152BU-FF
35.0	900	58	50	35	52.5	20.3	1.2	35	1225	8	15.5	0.20	1.9	35	EPB-356*0900DB152BU-FF
40.0	900	58	50	35	52.5	20.3	1.2	35	1400	6.5	17	0.20	1.9	35	EPB-406*0900DB152BU-FF

TYPE NO.

* = Capacitance tolerance code

K = $\pm 10\%$, M = $\pm 20\%$

V_{NDC} 85°C = 1100VDC, V_{OPDC} 70°C = 1300VDC

Cap (μ F)	V _{NDC}	Dimensions (mm)			P mm	P1 mm	d \emptyset mm	dv/dt V/ μ s	I _{PEAK} A	ESR 10KHz m Ω	I _{rms} 10KHz A	tan δ 1KHz %	tan δ 10KHz %	SPQ	料号 Part Number
		W	H	T											
1.5	1100	31	22	13	27.5	-	0.8	100	150	28	4	0.08	0.45	171	EPB-155*1100DB127BU
3.0	1100	31	28	18	27.5	-	0.8	100	300	20	6	0.08	0.45	126	EPB-305*1100DB127BU
5.0	1100	31	37	22	27.5	-	0.8	100	500	11	9	0.08	0.45	99	EPB-505*1100DB127BU
8.0	1100	41.5	39	24	37.5	-	1.0	73	584	13	9	0.11	0.9	70	EPB-805*1100DB137BU
8.0	1100	41.5	39	24	37.5	10.2	1.2	73	584	12	9.5	0.10	0.8	70	EPB-805*1100DB137BU-F
10.0	1100	41.5	38	28	37.5	-	1.0	73	730	12	10.5	0.11	0.9	56	EPB-106*1100DB137BU
10.0	1100	41.5	38	28	37.5	10.2	1.2	73	730	11	11	0.10	0.8	56	EPB-106*1100DB137BU-F
12.0	1100	41.5	45	30	37.5	-	1.0	73	876	10	12.5	0.11	0.9	56	EPB-126*1100DB137BU
12.0	1100	41.5	45	30	37.5	20.3	1.2	73	876	9	13.5	0.10	0.8	56	EPB-126*1100DB137BU-FF
14.0	1100	41.5	45	30	37.5	-	1.0	73	1022	9	13.5	0.11	0.9	56	EPB-146*1100DB137BU
14.0	1100	41.5	45	30	37.5	20.3	1.2	73	1022	8	14.5	0.10	0.8	56	EPB-146*1100DB137BU-FF
15.0	1100	42.5	45	33	37.5	20.3	1.2	73	1095	6.5	15	0.11	0.9	48	EPB-156*1100DB137BU-FF
20.0	1100	58	45	30	52.5	20.3	1.2	50	1000	11	12.5	0.17	1.6	40	EPB-206*1100DB152BU-FF
25.0	1100	58	50	35	52.5	20.3	1.2	50	1250	9	15	0.17	1.6	40	EPB-256*1100DB152BU-FF
27.0	1100	58	50	35	52.5	20.3	1.2	50	1350	7.5	16	0.17	1.6	35	EPB-276*1100DB152BU-FF
30.0	1100	58	53	38	52.5	20.3	1.2	50	1500	6.5	16.5	0.17	1.6	35	EPB-306*1100DB152BU-FF

TYPE NO.

* = Capacitance tolerance code

K = \pm 10%, M = \pm 20%

单击下面可查看定价，库存，交付和生命周期等信息

[>>HJC\(华容\)](#)