

DC - Link 金属化薄膜电容器 DMJ - PS series

镀锡铜线引出，体积小，安装简单方便
Leads with Tinned copper wire, small size,
easy installation

自感 (ESL) 小，等效串联电阻 (ESR) 小
Low ESL and ESR

塑料方壳封装，干式树脂灌注
Plastic shell encapsulation, dry resin
infusion

高脉冲电流，高 dv/dt 承受能力
High pulse Current



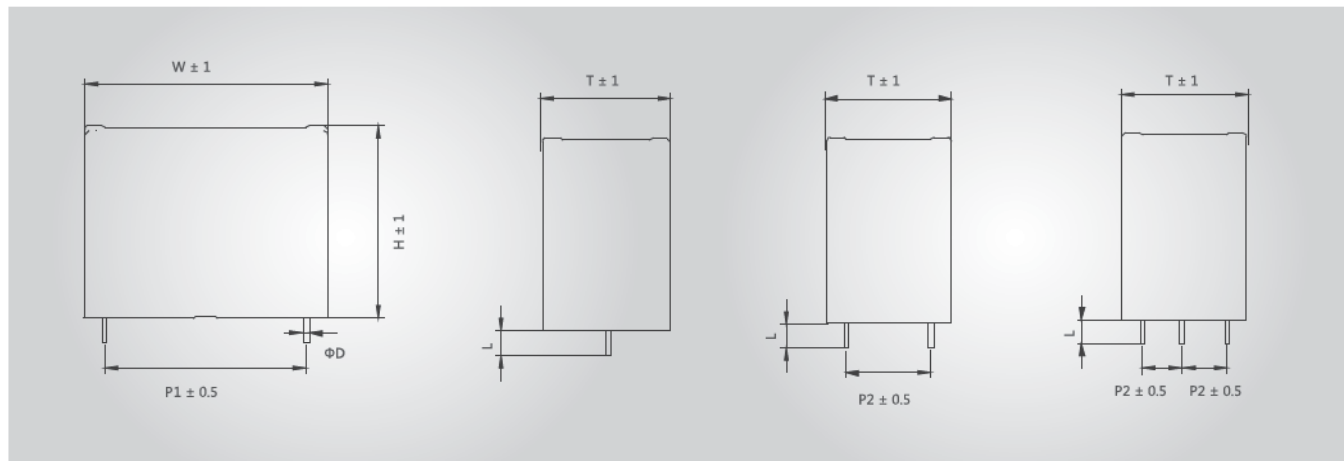
应用

- 广泛应用于DC - Link电路中，作滤波储能用。
- 能替代电解电容，性能更优，寿命更长。
- 光伏逆变器，风电变流器；各种变频器及逆变电源；纯电动及混合动力汽车；充电桩，UPS等。

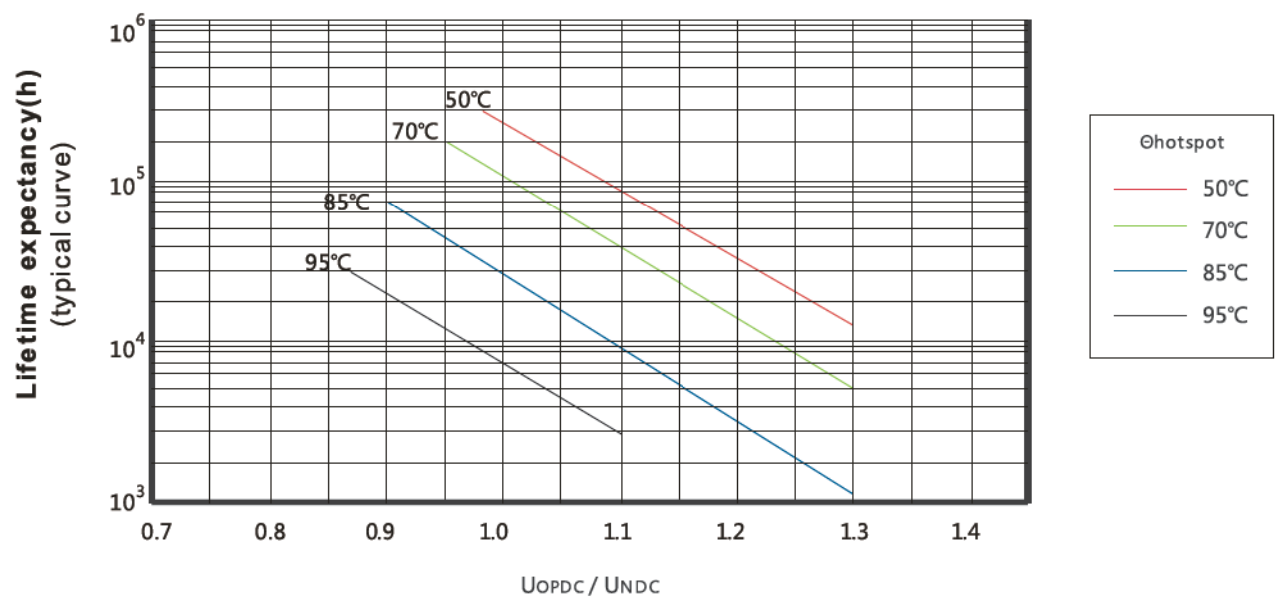
Application

- Widely used in DC - Link circuit for filtering energy storage.
- Can replace electrolytic capacitors, better performance and longer life.
- Pv inverter, wind power converter; All kinds of frequency converter and inverter power supply; Pure electric and hybrid cars; Charging pile, UPS, etc.

外形图 The contour map



预期寿命曲线图 Life expectancy in the graph



性能参数 Technical data

工作温度范围 / Operating temperature range	Max.Operating temperature.,Top,max : + 105°C Upper category temperature : +85°C Lower category temperature : -40°C
容量范围 (C _N) / Capacitance range	8 ~ 150μF
额定电压 (U _N) / Rated voltage	450V.DC ~ 1300V.DC
容量偏差 / Cap.tol	± 5% (J) ; ± 10% (K)
耐电压 / Withstand voltage	1.5U _N DC / 60S
过电压 / Over voltage	1.1U _N (30% of on - load - dur.)
	1.15U _N (30min / day)
	1.2U _N (5min / day)
	1.3U _N (1min / day)
	1.5U _N (100ms every time,1000times during the lifetime)
损耗角正切 / Dissipation factor	tgδ ≤ 0.0015 f = 100Hz
绝缘电阻 / Insulation resistance	R _s ×C ≥ 10000S (at 20°C 100V.DC)
耐脉冲电流冲击 / Withstand strike current	见规格表
有效电流 / Irms	见规格表
阻燃性 / Flame retardation	UL94V - 0
引用标准 / Reference standard	IEC61071



DC - Link 金属化薄膜电容器 DMJ - PS series

产品编码说明 Part number system

型号			容量			额定电压 (直流)				容偏	引出数量	脚距 P1	脚距 P2	引出长度	内部特征码	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
D	P	S	7	5	6	0	7	0	0	J	1			1	0	1

1 ~ 3 位：型号代码

4 ~ 6 位：标称容量

举例：756 = $75 \times 10^6 \text{pF} = 75\mu\text{F}$

7 ~ 10 位：额定电压 (直流)

举例：0700 = 700VDC

11 位：容量偏差等级

K = $\pm 10\%$ J = $\pm 5\%$

12 位：引出数量

2：2引出插针

4：4引出插针

6：6引出插针

13 位：脚距P1

1：P1 = 37.5mm

2：P1 = 52.5mm

14 位：脚距P2

0：无

1：P2 = 10.2mm

2：P2 = 20.3mm



产品编码说明 **Part number system**

续上表

15 位： 引出长度L													
1 : L = 5.5mm													
2 : L = 15mm													
16 ~ 17 位： 内部特征码													

规格表 **Specification table**

C _N (μF)	Number of wires	ΦD (mm)	W (mm)	T (mm)	H (mm)	安装孔距 (mm)		ESR (mΩ)	ESL (nH)	dv/dt (V/μS)	I _p (A)	I _{rms} @10KHz 85°C (A)	Part number
						P1	P2						
U _N 450V.DC (85°C) 500V (70°C)													
20	2	1.2	42.5	24.5	27.5	37.5		7	10	40	800	11	DPS2060450*210***
45	4	1.2	42.5	29	37	37.5	20.3	6	10	40	1800	17	DPS4560450*412***
60	4	1.2	42.5	33	45	37.5	20.3	4.5	15	40	2400	18.5	DPS6060450*412***
75	4	1.2	57.5	30	45	52.5	20.3	3.2	15	20	1500	18	DPS7560450*422***
100	4	1.2	57.5	35	50	52.5	20.3	3	15	20	2000	22	DPS1070450*422***
120	4	1.2	57.5	38	54	52.5	20.3	2.8	15	20	2400	25	DPS1270450*422***
150	4	1.2	57.5	42.5	56	52.5	20.3	2.5	15	20	3000	28	DPS1570450*422***
U _N 700V.DC (85°C) 800V (70°C)													
10	2	1.2	42.5	24.5	27.5	37.5		10	10	40	400	10	DPS1060700*210***
20	4	1.2	42.5	24	44	37.5	20.3	7.5	10	40	800	12	DPS2060700*412***
25	4	1.2	42.5	29	37	37.5	20.3	6	10	40	1000	12	DPS2560700*412***
40	4	1.2	42.5	33	45	37.5	20.3	5.5	10	40	1600	13	DPS4060700*412***
40	4	1.2	57.5	30	45	52.5	20.3	6	15	20	800	15	DPS4060700*422***



DC - Link 金属化薄膜电容器 DMJ - PS series

规格表 Specification table

续上表

C _N (μF)	Number of wires	ΦD (mm)	W (mm)	T (mm)	H (mm)	安装孔距 (mm)		ESR (mΩ)	ESL (nH)	dv/dt (V/μS)	I _p (A)	I _{rms} @10K-Hz 85°C (A)	Part number
						P1	P2						
U _N 800V.DC (85°C) 900V (70°C)													
50	4	1.2	57.5	30	45	52.5	20.3	5.5	15	20	1000	18	DPS5060700*422***
60	4	1.2	57.5	35	50	52.5	20.3	5	15	20	1200	20	DPS6060700*422***
75	4	1.2	57.5	35	50	52.5	20.3	4.5	15	20	1500	22	DPS7560700*422***
80	4	1.2	57.5	38	54	52.5	20.3	4	15	20	1600	22	DPS8060700*422***
90	4	1.2	57.5	42.5	56	52.5	20.3	3.5	15	20	1800	25	DPS9060700*422***
100	4	1.2	57.5	42.5	56	52.5	20.3	3.2	15	20	2000	27.5	DPS1070700*422***
U _N 800V.DC (85°C) 900V (70°C)													
15	2	1.2	42.5	24	44	37.5		10	10	40	600	10	DPS1560800*210***
20	4	1.2	42.5	29	37	37.5	20.3	7.5	10	40	800	12	DPS2060800*412***
30	4	1.2	42.5	33	45	37.5	20.3	4.5	10	40	1200	16	DPS3060800*412***
35	4	1.2	57.5	30	45	52.5	20.3	5.5	15	20	700	14	DPS3560800*422***
50	4	1.2	57.5	35	50	52.5	20.3	4.5	15	20	1000	18	DPS5060800*422***
60	4	1.2	57.5	38	54	52.5	20.3	4.5	15	20	1200	20	DPS6060800*422***
70	4	1.2	57.5	42.5	56	52.5	20.3	3.5	15	20	1400	22	DPS7060800*422***



规格表 Specification table

续上表

C _N (μF)	Number of wires	ΦD (mm)	W (mm)	T (mm)	H (mm)	安装孔距 (mm)		ESR (mΩ)	ESL (nH)	dv/dt (V/μS)	I _p (A)	I _{rms} @10KHz 85°C (A)	Part number
						P1	P2						
U _N 800V.DC (85°C) 900V (70°C)													
10	2	1.2	42.5	24	44	37.5		11	10	40	429	11	DPS1061100*210***
15	4	1.2	42.5	29	37	37.5	20.3	8	10	40	600	15	DPS1561100*412***
20	4	1.2	42.5	33	45	37.5	20.3	5	10	40	800	18	DPS2061100*412***
20	4	1.2	57.5	30	45	52.5	20.3	7	15	25	500	15	DPS2061100*422***
25	4	1.2	57.5	35	50	52.5	20.3	6	15	25	625	17	DPS2561100*422***
30	4	1.2	57.5	35	50	52.5	20.3	5	15	25	750	18	DPS3061100*422***
45	4	1.2	57.5	38	54	52.5	20.3	4.5	15	25	1125	18.5	DPS4561100*422***
50	4	1.2	57.5	42.5	56	52.5	20.3	3.5	15	25	1250	20	DPS5061100*422***
55	4	1.2	57.5	42.5	56	52.5	20.3	3.5	15	25	1375	21	DPS5561100*422***
U _N 1200V.DC (85°C) 1500V (70°C)													
12	4	1.2	57.5	30	45	52.5	20.3	11	15	40	480	13	DPS1261200*422***
20	4	1.2	42.5	40	55	37.5	20.3	7	15	50	1000	16	DPS2061200*412***
20	4	1.2	57.5	35	50	52.5	20.3	8	15	40	800	17	DPS2061200*422***
25	4	1.2	57.5	42.5	56	52.5	20.3	7	15	40	1000	20	DPS2561200*422***
U _N 1800V.DC (85°C) 2000V (70°C)													
8	4	1.2	57.5	30	45	52.5	20.3	12	15	50	400	13	DPS8051800*422***
10	4	1.2	57.5	35	50	52.5	20.3	10	15	50	500	17	DPS1061800*422***

