

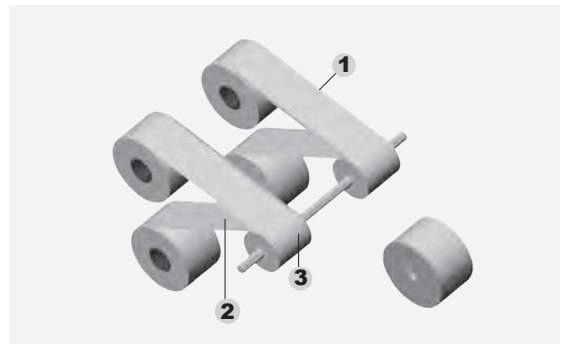
薄膜电容器 Film Capacitor

产品简述 (Product Profile)

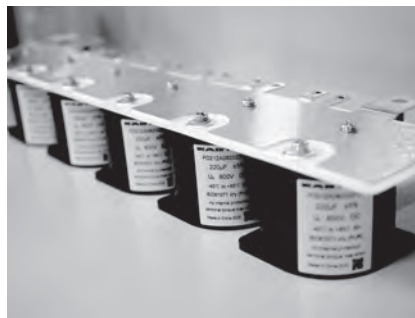
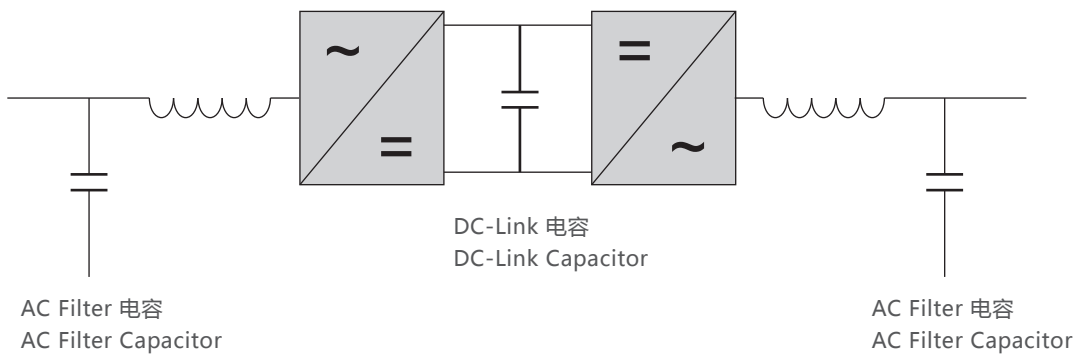
以有机薄膜为绝缘介质，在有机薄膜表面蒸镀而成的金属层作为电极，成对卷绕而成的电力电容器，具有容量稳定，自感量小等优点。适合应用于使用条件苛刻、感量低、长寿命性能要求高的变流器中。

The film capacitor consists of the organic films which are wound in pairs (the insulating medium) and a metal layer (the electrodes) made by evaporation on the surface of the film. They are characterized by stable capacitance and low self-inductance, suitable for the converters used in harsh conditions which demands low-inductance and long service life.

1. 电极(金属化) Electrodes(metallization)
2. 电介质(塑料薄膜) Dielectric(plastic film)
3. 卷绕式电容器 Wound capacitor



电气原理图 (Electric Diagram)



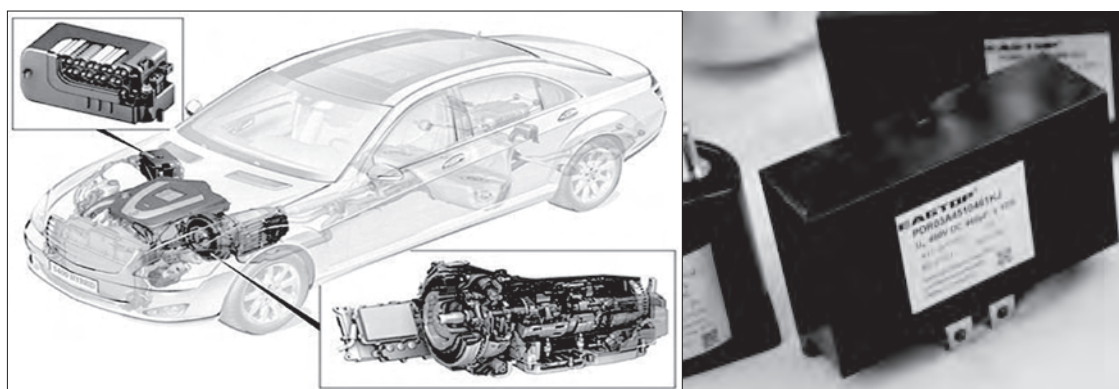
新能源汽车 HEV/EV薄膜电容PD系列

Film Capacitors--PDR series for HEV/EV control unit

应用领域 (Application)

应用于新能源汽车电机控制器

Be applied to the motor control of new energy vehicles

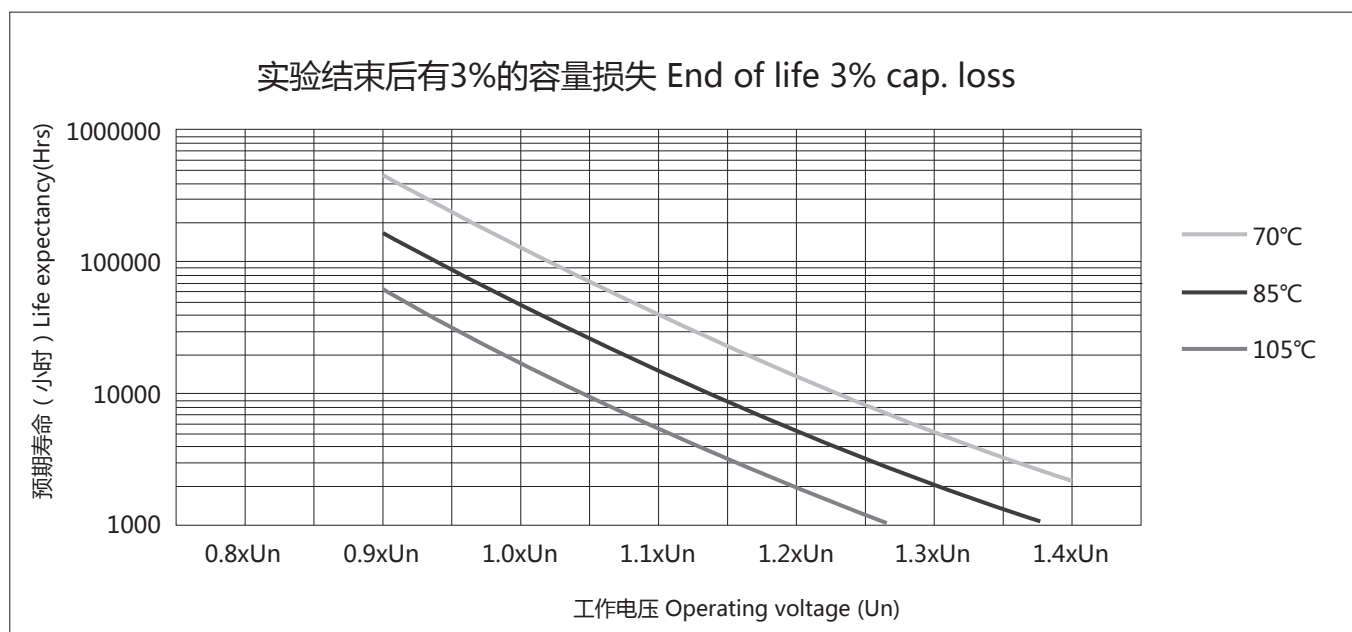


符合标准 (Standards)

IEC 61071-2007 and AEC-Q200-2010

acc. to IEC 61071-2007 and AEC-Q200-2010

预期寿命曲线 (Life Expectancy vs Hot Spot Temperature and Voltage)



薄膜电容器

Film Capacitor

特性 (Characteristics)

额定容量 Rated capacitance	C_N	100uF~1800uF
容量范围 Capacitance tolerance	%	±5% (J) , ±10% (K)
额定电压 Rated d.c. voltage	$U_{N,DC}$	450VDC~1200VDC
损耗 Tangent of the loss angle	$\tan \delta_o$	<0.0002
最大峰值电流 Max. peak current	$C \times R_{is}$	>10 000s(20°C±5°C,1min)

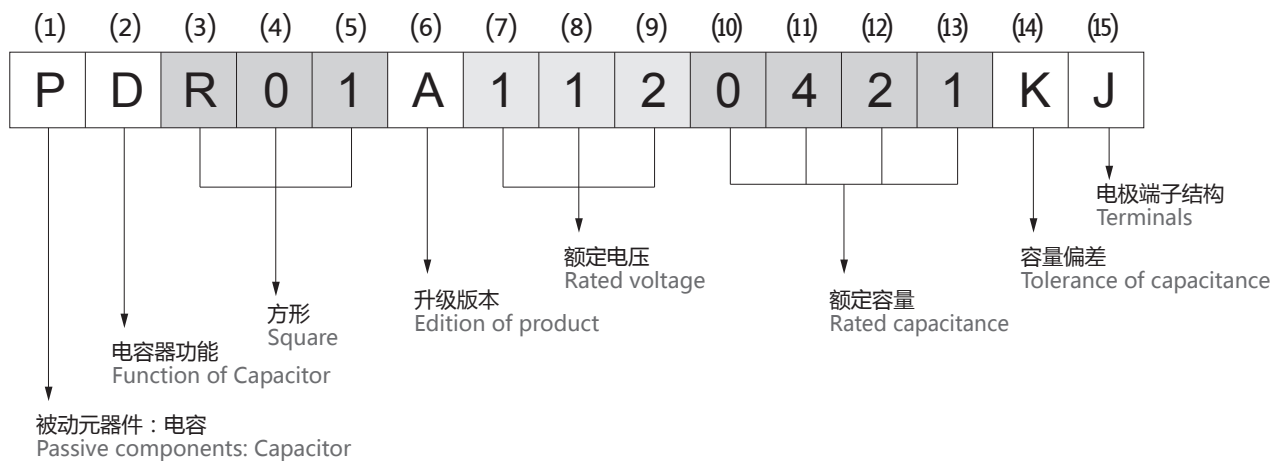
热应用条件 (Thermal conditions)

最低工作温度 Min. operating temperature	Θ_{min}	- 40°C
最高工作温度 Max. operating temperature	Θ_{max}	+ 105°C
存储温度范围 Storage temperature	$\Theta_{storage}$	- 40°C~ + 105°C
测试数据 Test data		
极间电压 Voltage test between terminals	U_{BB}	1.5 U_N (20°C±5°C,10s)
极壳电压 A.C. voltage test terminal/case	U_{BG}	3 000V _{AC} (20°C±5°C,10s)
预期寿命 Life expectancy	up to 50 000h	(U_N , $\Theta_{hotspot}$ =85°C)
失效率 Failure rate	FIT	300

机械特性 (Mechanical characteristics)

介质 Dielectric	MKP- metallized polypropylene capacitor, self-healing, dry type (金属化聚丙烯电容器, 自愈, 干式)	
外壳 Case	Plastic case, rated V0 acc. to UL94 (塑料外壳, UL94,V0)	
端子 Terminals	Flat copper (铜片)	
冷却方式 Cooling	To be confirmed (待定)	
防护等级 IP rating	IP44	
环境温度 Ambient temp.	<85°C	
热点温度=环境温度+温升 Hot pot temp.=Ambient temp.+Temp.rise	<105°C	

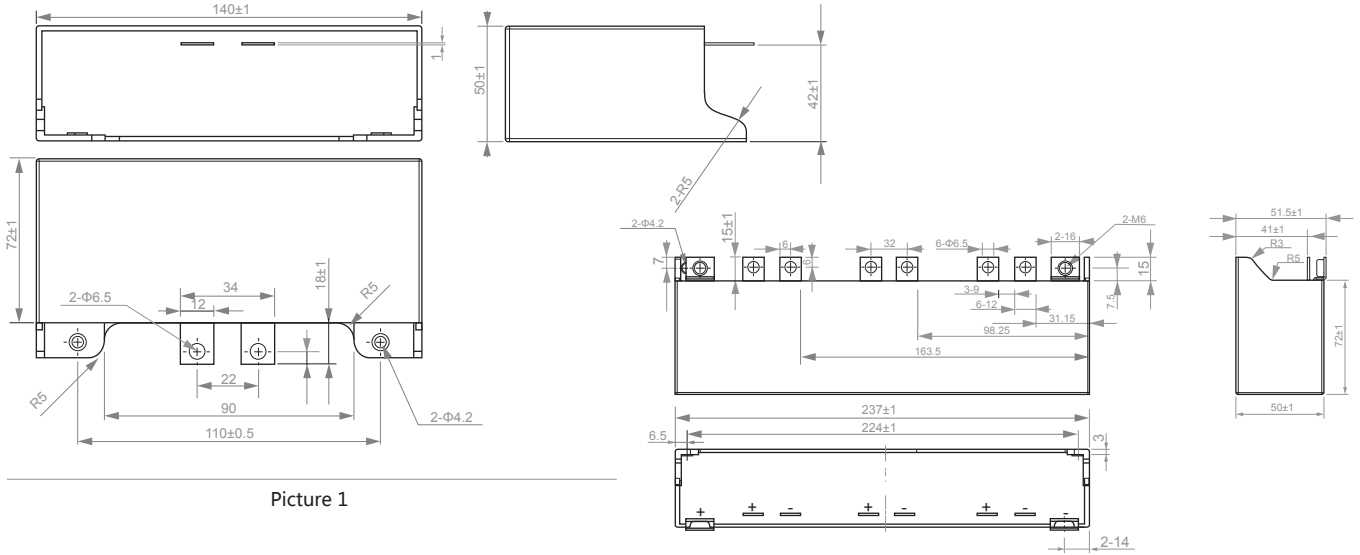
零件编码规则 (Order Coding Rule)



代码 Code	特征 Character	注释 Note
(1)	公司产品内部代码 Internal code	P表示被动器件：电容 P is expressed as passive component: Capacitor
(2)	电容器功能 Function of Capacitor	A表示交流电容器 (Alternate) , D表示直流电容器 (Direct) A: Alternate Capacitor, D: Direct Capacitor
(3)(4)(5)	直径和订货号 Diameter and order number	R:方形 ; (4)(5)订货号 R:Square ; (4)(5) Order number
(6)	产品升级版本号 Edition of product	A表示第一版、B表示第二次产品升级、依次类推(S除外) ; S表示非标品 A: First edition; B: Second edition, etc; S: Special product
(7)(8)(9)	额定电压 Rated voltage	例如062=6×10 ² =600V , 112=11×10 ² =1100V For examples: 062=6×10 ² =600V, 112=11×10 ² =1100V
(10)(11)(12)(13)	额定容量, 单位为微法(μF) Rated capacitance(unit: μF)	最后一位为数量级0421=42×10 ¹ =420μF 1061=106×10 ¹ =1060μF For examples: 0421=42×10 ¹ =420μF, 1061=106×10 ¹ =1060μF
(14)	容量误差 Tolerance of capacitance	J=±5% ; K=±10% ;
(15)	电极端子结构 Terminals	T表示内螺纹, Z表示内螺柱, J 表示集合式 T:internal thread, Z:internal stud, J: integrated

薄膜电容器 Film Capacitor

外形尺寸 (Outline Drawing)



Picture 1

Picture 2

Picture 3

订购代码 (Ordering Code and Packing Units)

HP1 Platform -----FS200R07/FS400R07

U_N Vdc	C_N μF	R_s m Ω	I_{max} A	\hat{I} kA	I_s kA	W_N W_s	L_e nH	Dimensions (L×W×H)mm	Picture	Ordering Code
450	300	1.2	80	1.2	4.8	30.3	15	140x72x50	1	PDR**A4510301KJ
450	400	1.1	80	1.2	4.8	40.5	15	140x72x50	1	PDR**A4510401KJ
450	460	0.6	80	1.4	5.6	46.5	15	140x72x50	1	PDR**A4510461KJ

HP2 Platform -----FS400R12/FS600R07/ FS800R07

U_N Vdc	C_N μF	R_s m Ω	I_{max} A	\hat{I} kA	I_s kA	W_N W_s	L_e nH	Dimensions (L×W×H)mm	Picture	Ordering Code
450	500	0.8	120	2	7	50.6	15	237x72x50	2	PDR**A4510501KJ
450	700	0.8	120	2	7	70.8	15	237x72x50	2	PDR**A4510701KJ
450	860	0.6	135	2.5	8.3	86.1	15	237x72x50	2	PDR**A4510851KJ

定制产品 Customized product

U_N Vdc	C_N μF	R_s m Ω	I_{max} A	\hat{I} kA	I_s kA	W_N W_s	L_e nH	Dimensions (L×W×H)mm	Picture	Ordering Code
800	800	0.6	200	4	8	256	16	316x108x103	3	PDR21A0820801KJ

塑料外壳干式直流滤波电容器 (温度85°C)

DC-Link Capacitor (Dry-Type, Plastic case, Temperature 85°C)



应用领域 (Application)

新能源汽车, 各种电源、逆变器等。

New energy vehicles , various power supplies , inverters, etc.

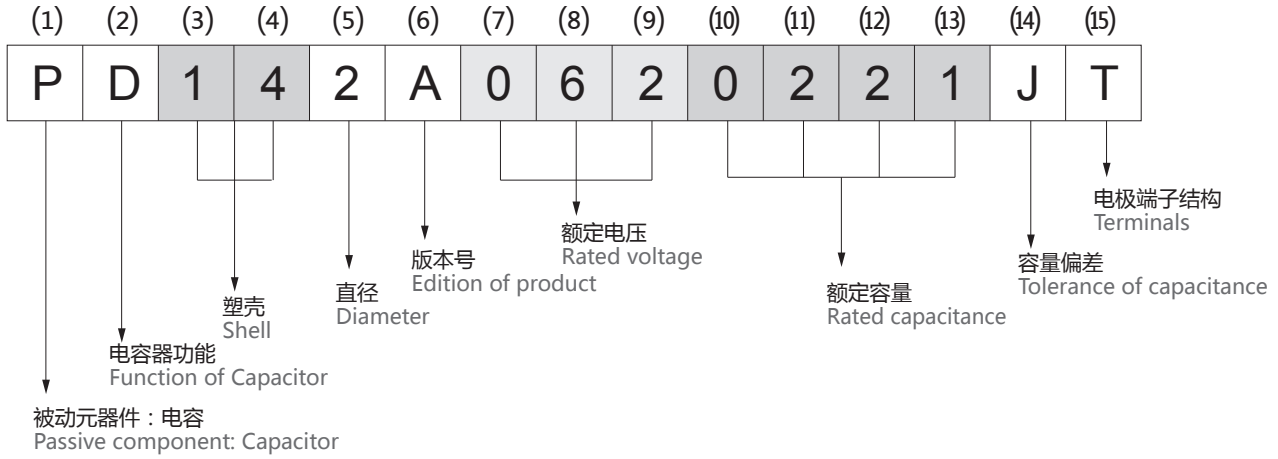
技术要求 (Technical Requirements)

引用标准 Reference standard	GB/T 17702 , IEC 61071	
气候类别 Climatic category	40/85/56	
工作温度范围 Operating temperature range	-40°C—85°C { $\theta_{max}(\text{hotspot}) \leq 85^\circ\text{C}$ }	
储存温度范围 Storage temperature range	-40°C—85°C	
电压范围 Voltage range	600Vdc—1500Vdc	
容量范围 Capacitance range	35 μF —600 μF	
电容量允许偏差 Capacitance tolerance	$\pm 5\%$ (J值) , $\pm 10\%$ (K值)	
耐电压 Hi-pot	极间 Between terminals	1.5Un (10s)
	极壳之间 Between terminals and case	4000Vac (10s , 50Hz)
介质损耗角正切 Tg δ	$< 20 \times 10^{-4}$	
IR \times Cn	$\geq 5000\text{s}$	
过电压 Overvoltage	1.1Un (30% of on-load-dur) 1.15Un (30min/day) 1.2Un (5min/day) 1.3Un (1min/day) 1.5Un (30ms every time , 1000times during the life of the capacitor)	
最高使用海拔 Max. altitude	2000m	
最大电极扭矩 Max. torque of terminals	M5 : 2.5 Nm	M8 : 6 Nm
最大安装扭矩 Max. torque of installation	3.0Nm	
安装 Installation	任意方向 Any position	
失效率 Failure rate	50FIT	

薄膜电容器

Film Capacitor

零件编码规则 (Order Coding Rule)

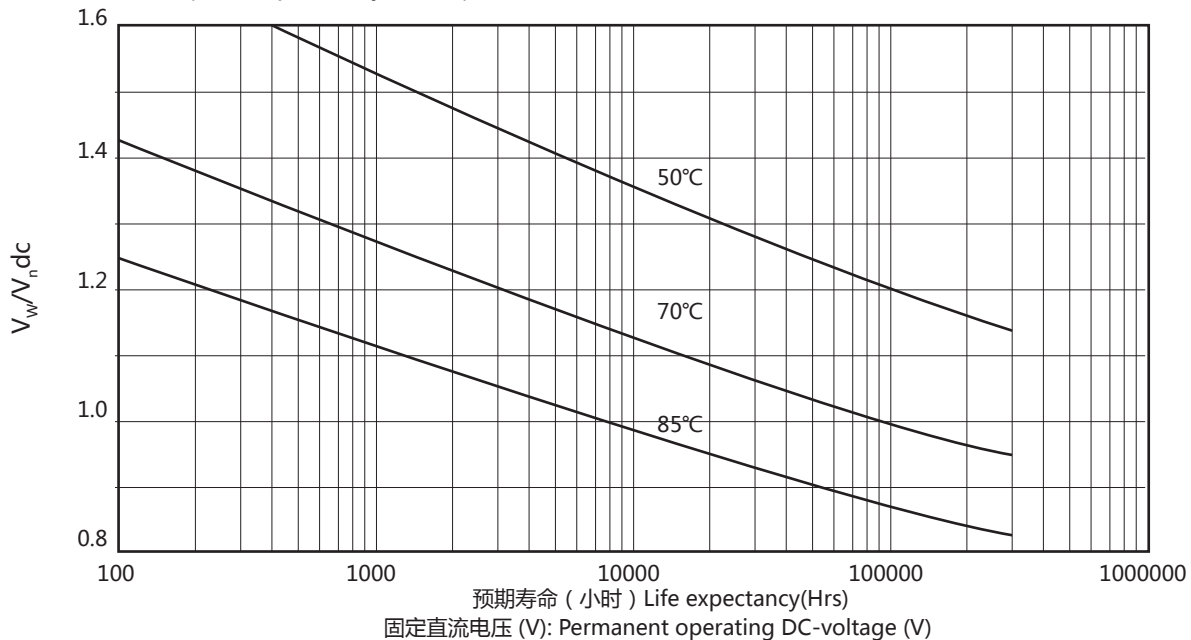


代码 Code	特征 Character	注释 Note
(1)	公司产品内部代码 Internal code	P表示被动器件：电容 P is expressed as passive component: Capacitor
(2)	电容器功能 Function of Capacitor	A表示交流电容器 (Alternate) , D表示直流电容器 (Direct) A: Alternate Capacitor, D: Direct Capacitor
(3)(4)	外壳 Shell	14 双耳塑料外壳 14 Binaural plastic casing
(5)	直径 Diameter	2 = $\Phi 84.5$
(6)	产品升级版本号 Edition of product	A表示第一版、B表示第二次产品升级、依次类推(S除外)；S表示非标品 A: First edition; B: Second edition, etc; S: Special product
(7)(8)(9)	额定电压 Rated voltage	例如062=6×10 ² =600V , 112=11×10 ² =1100V For examples: 062=6×10 ² =600V, 112=11×10 ² =1100V
(10)(11)(12)(13)	额定容量，单位为微法(μF) Rated capacitance(unit: uF)	最后一位为数量级0421=42×10 ¹ =420μF 0221=22×10 ¹ =220μF For examples: 0421=42×10 ¹ =420μF, 0221=22×10 ¹ =220μF
(14)	容量误差 Tolerance of capacitance	J=±5% ; K=±10% ; M=±20% ; 其他S
(15)	电极端子结构 Terminals	T表示内螺纹 M6x10mm , Z表示内螺柱 M8x20mm , J 表示集成式 T:internal thread M6x10mm, Z:internal stud M8x20mm, J: integrated

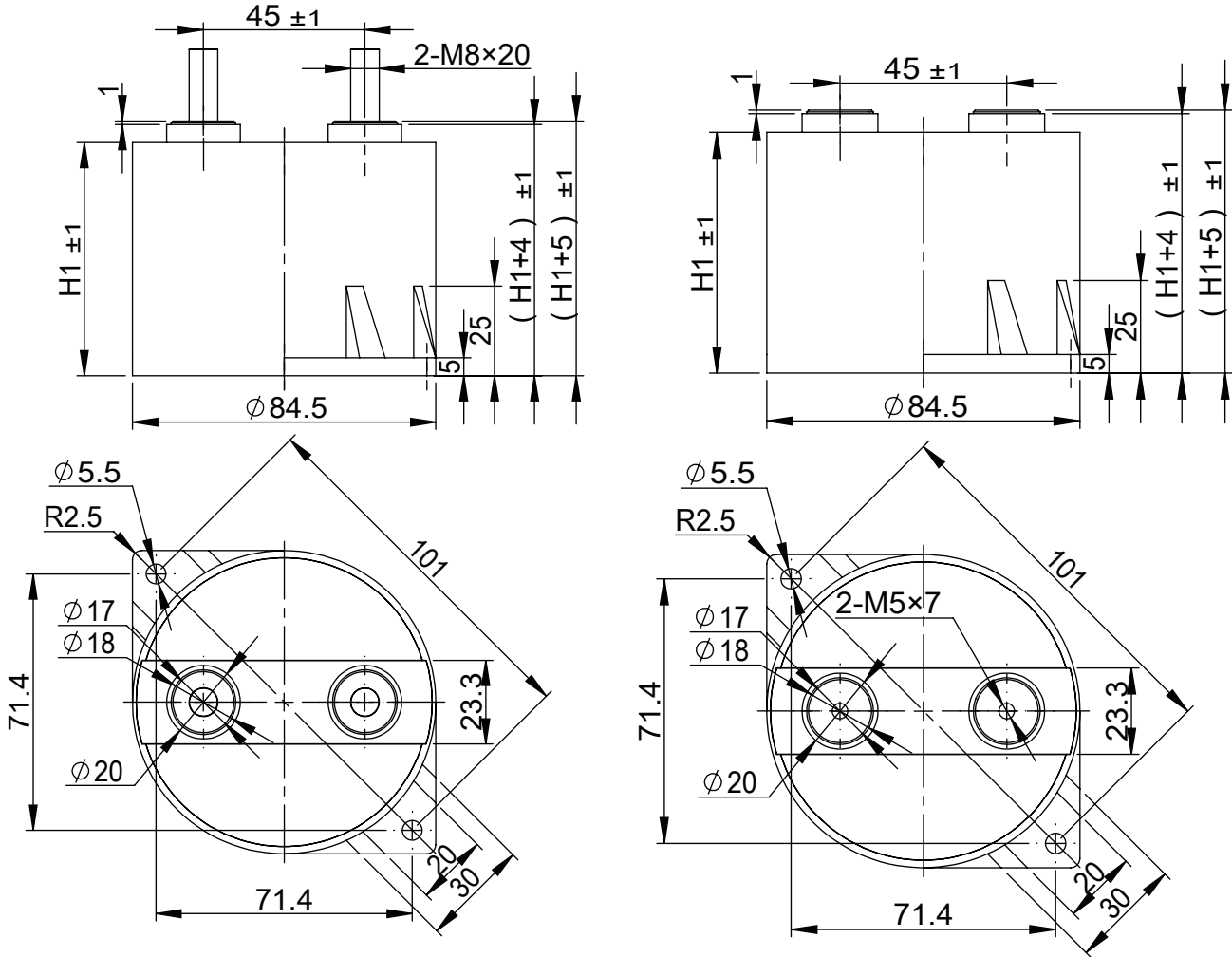
■ 技术参数 (Technical Parameters)

$C_N/\mu\text{F}$	$R_s/m\Omega$	I_{max}/A (60°C)	I_{max}/A (85°C)	\hat{I}/kA	W_N/W_s	Le/nH	D/mm	H1/mm	Ordering code
U_N 600VDC U_s 900V U_r 100V									
260	0.7	96	63	5.2	47	32	84.5	51	PD142A0620261**
220	0.8	81	53	4.4	25	55	84.5	65	PD142A0620221**
380	0.8	81	53	5.7	68	40	84.5	65	PD142A0620381**
U_N 800VDC U_s 1200V U_r 200V									
150	0.9	84	55	3.75	48	32	84.5	51	PD142A0820151**
220	1	72	48	8.4	70	40	84.5	65	PD142A0820221**
U_N 900VDC U_s 1350V U_r 200V									
150	0.9	84	55	3.75	48	32	84.5	51	PD142A0920151**
220	1	72	48	8.4	70	40	84.5	65	PD142A0920221**
U_N 1100VDC U_s 1650V U_r 250V									
100	1.5	54	44	2.5	61	32	84.5	51	PD142A1120012**
140	1.8	44	36	2.8	85	40	84.5	65	PD142A1120141**
U_N 1300VDC U_s 1950V U_r 300V									
70	1.6	52	42	2.1	59	32	84.5	51	PD142A1320071**
100	2	42	34	2.5	85	40	84.5	65	PD142A1320012**
U_N 1400VDC U_s 2100V U_r 300V									
56	1.7	50	41	1.9	55	32	84.5	51	PD142A1420560**
86	2	42	34	2.4	84	40	84.5	65	PD142A1420860**
U_N 1500VDC U_s 2100V U_r 300V									
50	1.8	50	40	1.8	56	32	84.5	51	PD142A1520051**
76	2.1	41	33	2.4	86	40	84.5	65	PD142A1520760**

■ 预期寿命曲线 (Life Expectancy Curve)

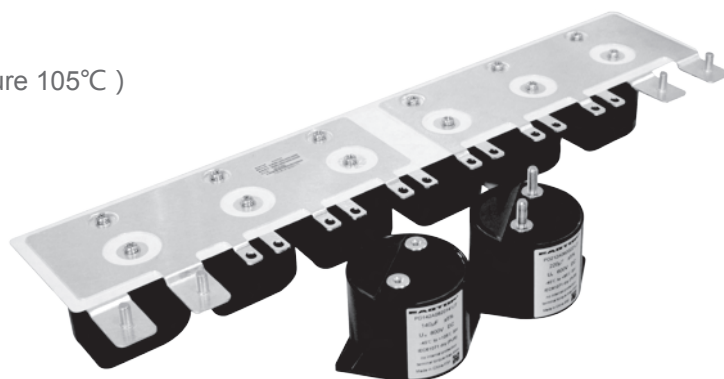


外形尺寸 (Outline Drawing)



塑料外壳干式直流滤波电容器 (温度105°C)

DC-Link Capacitor (Dry-Type, Plastic case, Temperature 105°C)



应用领域 (Application fields)

交通工具，如：电动汽车和混合动力车

焊接设备，电梯，电机驱动

Vehicles such as electric cars and hybrid vehicles;

Welding equipment, elevators, motor drives

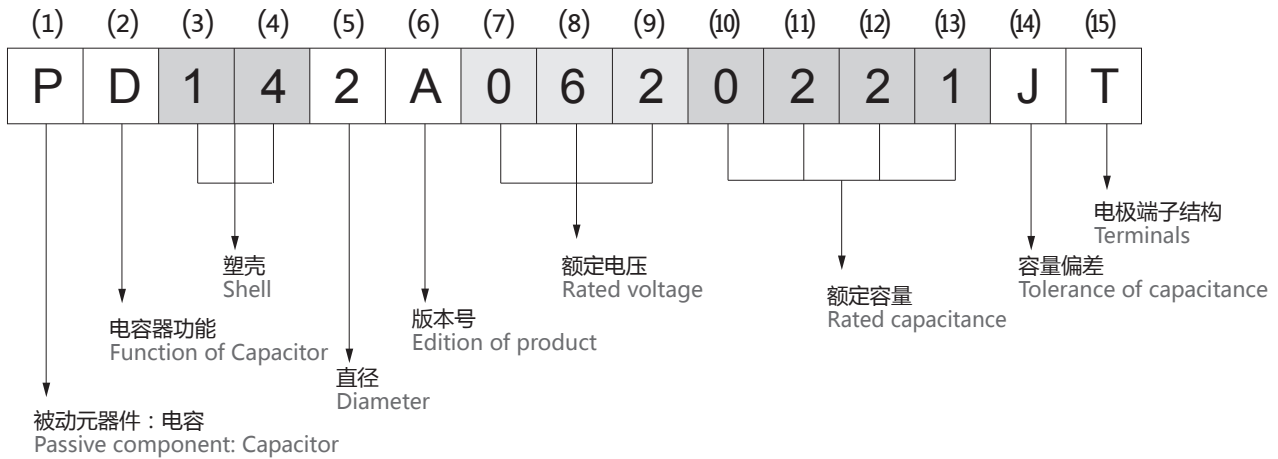
技术要求 (Technical Parameters)

引用标准 Reference standard	GB/T 61071 , AEC Q200D-2010	
气候类别 Climatic category	40/105/56	
工作温度范围 Operating temperature range	-40°C~105°C { $\theta_{max}(\text{hotspot}) \leq 105^\circ\text{C}$ }	
储存温度范围 Storage temperature range	-40°C~105°C	
电压范围 Voltage range	450Vdc~900Vdc	
容量范围 Capacitance range	47 μF ~380 μF	
电容量允许偏差 Capacitance tolerance	$\pm 5\%$ (J值) , $\pm 10\%$ (K值)	
耐电压 Hi-pot	极间 Between terminals	1.5Un (10s)
	极壳之间 Between terminals and case	4000Vac (10s , 50Hz)
介质损耗角正切 Tg δ	< 20×10^{-4}	
IR \times Cn	$\geq 5000\text{s}$	
过电压 Overvoltage	1.1Un (30% of on-load-dur) 1.15Un (30min/day) 1.2Un (5min/day) 1.3Un (1min/day) 1.5Un (30ms every time , 1000times during the life of the capacitor)	
最高使用海拔 Max. altitude	2000m	
最大电极扭矩 Max. torque of terminals	M5 : 2.5Nm	M8 : 6Nm
最大安装扭矩 Max. torque of installation	3.0Nm	
安装 Installation	任意方向 Any position	
失效率 Failure rate	50FIT	

薄膜电容器

Film Capacitor

零件编码规则 (Order Coding Rule)

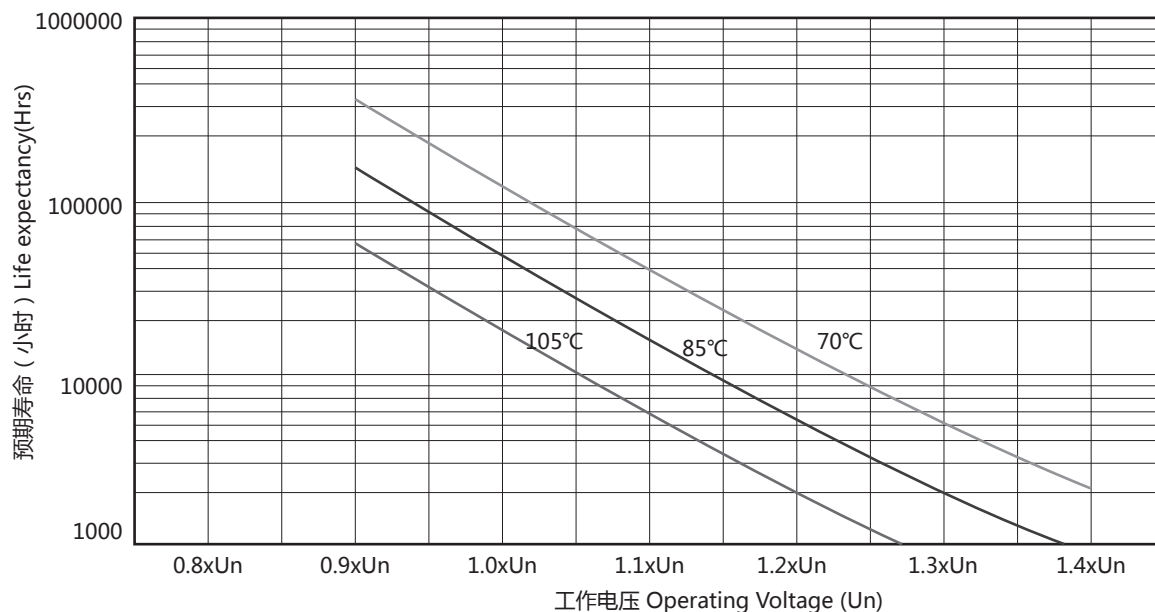


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(3)(4)	外壳 Shell	14: 双耳塑料外壳 14: Binaural plastic casing
(5)	直径 Diameter	2 = $\Phi 84.5$
(6)	产品升级版本号 Edition of product	A表示第一版、B表示第二次产品升级、依次类推(S除外)；S表示非标品 A: First edition; B: Second edition, etc; S: Special product
(7)(8)(9)	额定电压 Rated voltage	例如062=6×10 ² =600V , 112=11×10 ² =1100V For examples: 062=6×10 ² =600V, 112=11×10 ² =1100V
(10)(11)(12)(13)	额定容量, 单位为微法(μF) Rated capacitance(unit: uF)	最后一位为数量级0421=42×10 ¹ =420μF 0221=22×10 ¹ =220μF For example: 0421=42×10 ¹ =420μF, 0221=22×10 ¹ =220μF
(14)	容量误差 Tolerance of capacitance	J=±5% ; K=±10% ; M=±20% ; 其他S
(15)	电极端子结构 Terminals	T表示内螺纹 M6x10mm , Z表示内螺柱 M8x20mm , J 表示集合式 T:internal thread M6x10mm, Z:internal stud M8x20mm, J: integrated

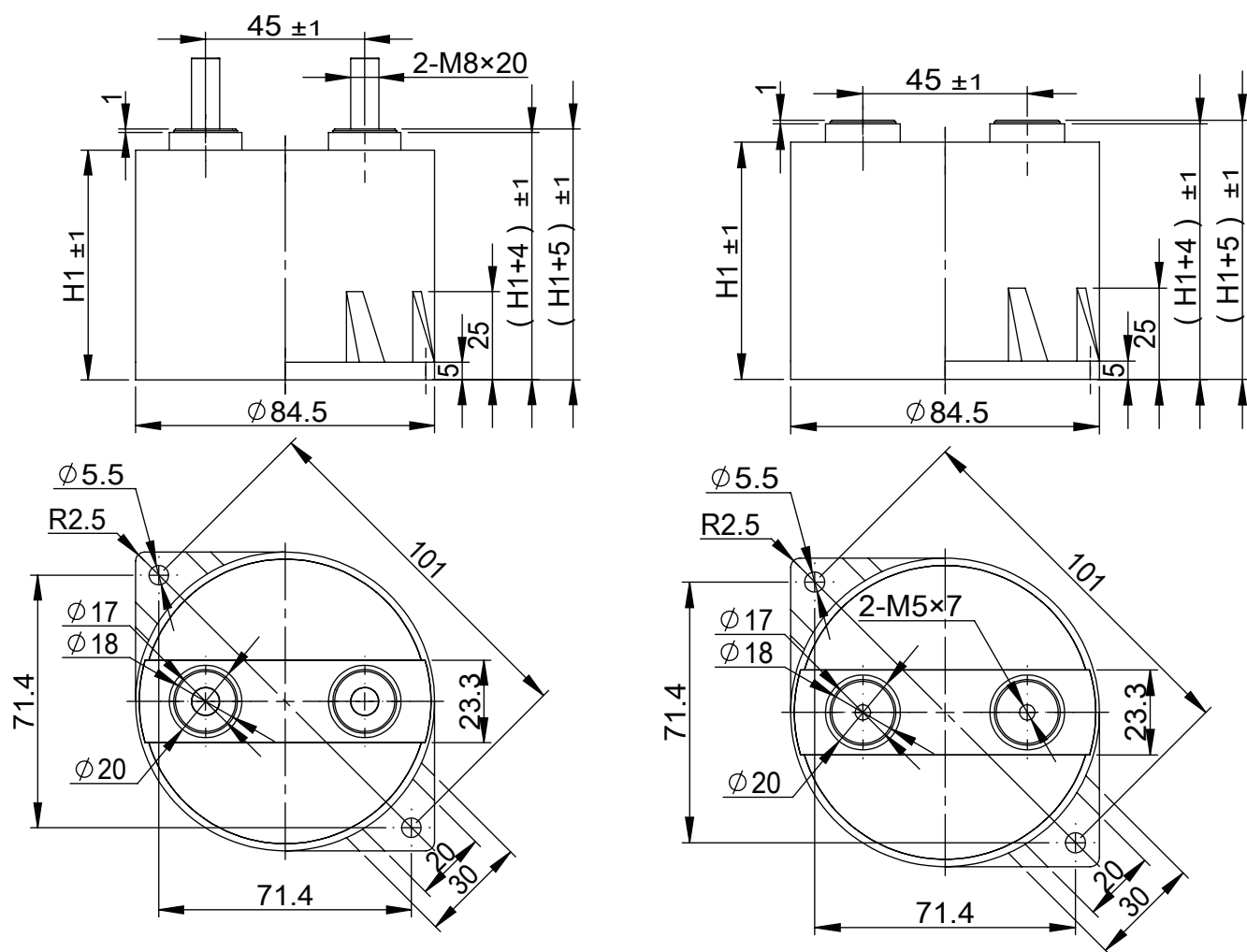
■ 技术参数 (Technical Parameters)

$C_N/\mu\text{F}$	$R_s/m\Omega$	I_{max}/A (60°C)	I_{max}/A (85°C)	\hat{I}/KA	W_N/W_s	Le/nH	D/mm	H1/mm	Ordering code
U_N 450VDC U_s 675V U_r 100V									
260	0.7	96	63	5.2	26	32	84.5	51	PD142B4510261**
380	0.8	81	53	5.7	38	40	84.5	65	PD142B4510381**
U_N 600VDC U_s 900V U_r 100V									
150	0.9	84	55	3.75	27	32	84.5	51	PD142B0620151**
220	1	72	48	8.4	40	40	84.5	65	PD142B0620221**
U_N 800VDC U_s 1200V U_r 200V									
100	1	81	53	3	32	32	84.5	51	PD142B0820012**
140	1.3	64	42	3.5	45	40	84.5	65	PD142B0820141**
U_N 900VDC U_s 1350V U_r 200V									
70	1.2	74	49	2.1	28	32	84.5	51	PD142B0920071**
100	1.2	67	44	2.5	40	40	84.5	65	PD142B0920012**

■ 预期寿命曲线 (Life Expectancy Curve)



外形尺寸 (Outline Drawing)



MKP-直流支撑通用系列

Film Capacitors MKP-DC-LINK in Power Electronics

应用领域 (Application)

光伏、风电、SVG、APF、高压变频等领域作直流支撑。

DC-Link capacitors for general use are applied to solar inverters, wind power converters, SVG, APF, high voltage inverters and so on.



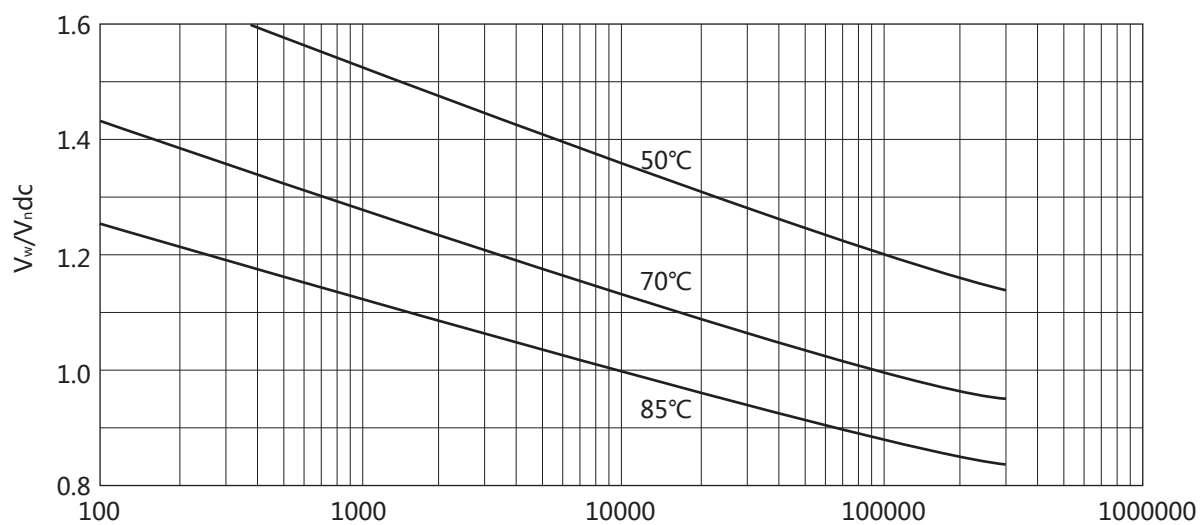
符合标准 (Standards)

IEC 61071*(2007)

acc. to IEC 61071*(2007)

(There is no internal protection device inside the capacitors.)

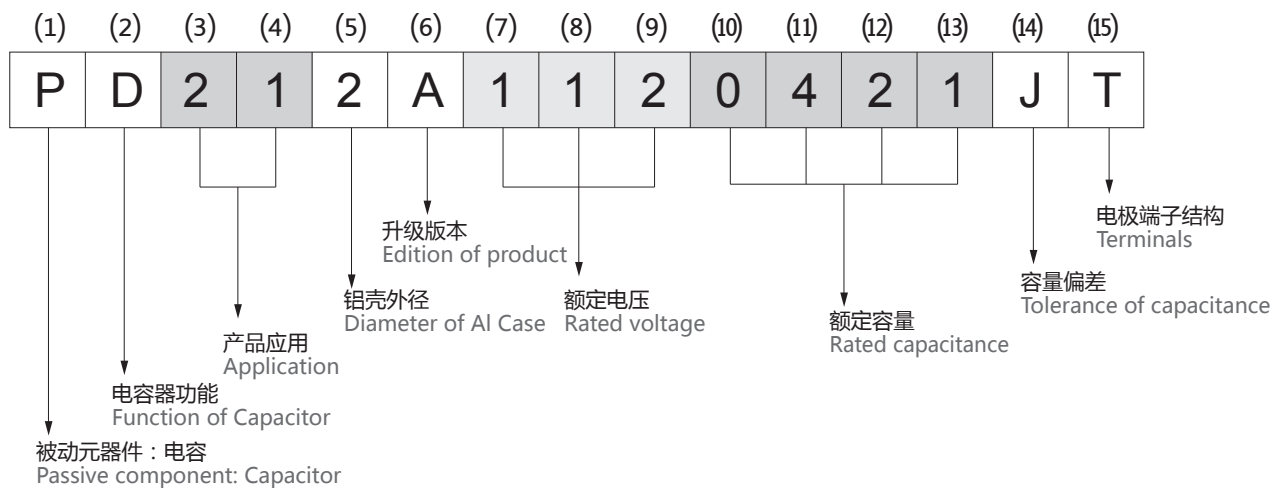
预期寿命曲线 (Life Expectancy vs Hot Spot Temperature and Voltage)



参数列表 (Technical Parameters)

产品类型 Type of product	直流支撑系列 DC-link series
参考标准 Reference standard	IEC 61071
罐体材料 Case material	铝 Aluminium
端子 Terminals	T: 内螺纹 internal thread; Z: 内螺柱 internal stud
底座安装螺栓 Base mounting position	M12 or M16
填充材料 Filling material	基于植物油固体 (非PCB) 材料 Solid, based on vegetable oil, non PCB
内部保护 Internal protection	无 none
标称电压 Rated voltage U_n	600~1500V
容值范围 Range of capacitance	160~7400uF
额定容量精度 Tolerance of rated capacitance	$\pm 5\%$, $\pm 10\%$
绝缘电阻 Insulation resistance	$\geq 5000s$ (20°C, 500V, 1min)
端子间耐压 Hi-pot between terminals	1.5 U_n (10s, 20°C \pm 5°C)
极壳间耐压 Hi-pot between terminals and case	$\geq 3200VAC, 50Hz/10s$
过电压 Overvoltage	1.1 U_N (30% of on-load-dur.); 1.15 U_N (30min/day); 1.2 U_N (5min/day); 1.3 U_N (1min/day) 1.5 U_N (30ms every time, 1000 times during the life of the capacitor)
储存温度 Storage temperatures	-40...+85°C
限制温度 Limit temperatures	-25...+85°C (for $\Phi 85/\Phi 86mm$); -25...+80°C (for $\Phi 116mm$); -25...+75°C (for $\Phi 136mm$)
电介质损耗因子 Tan δ	$< 2 \times 10^{-4}$
海拔 Altitude	≤ 2000 m
应用领域 Fields of application	风能和太阳能等逆变器直流支撑电路 DC Link circuits of inverters for wind power and solar power etc.

零件编码规则 (Order Coding Rule)



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(2)	电容器功能 Function of Capacitor	A表示交流电容器 (Alternate) , D表示直流电容器 (Direct) A: Alternate Capacitor, D: Direct Capacitor
(3)(4)	应用 Application	21表示附加容值并提高电流强度系列；43表示附加电流及最高电容值系列 21: means extra capacitance with high current; 43: means max. capacitance with extra current
(5)	铝壳外径 Diameter of Al Case	1=Φ75m, 2=Φ85, 3=Φ116mm, 4=Φ136mm, 5=Φ76mm, 6=Φ86mm, 7=Φ96mm, 8=Φ106mm, R=方形电容(square)
(6)	产品升级版本号 Edition of product	A表示第一版、B表示第二次产品升级、依次类推(S除外)；S表示非标品 A: First edition; B: Second edition, etc; S: Special product
(7)(8)(9)	额定电压 Rated voltage	例如062=6×10 ² =600V, 112=11×10 ² =1100V For examples: 062=6×10 ² =600V, 112=11×10 ² =1100V
(10)(11)(12)(13)	额定容量, 单位为微法(μF) Rated capacitance(unit: uF)	最后一位为数量级0421=42×10 ¹ =420μF 1061=106×10 ¹ =1060μF For examples: 0421=42×10 ¹ =420μF, 1061=106×10 ¹ =1060μF
(14)	容量误差 Tolerance of capacitance	J=±5% ; K=±10% ; M=±20%
(15)	电极端子结构 Terminals	T表示内螺纹 M6x10mm, Z表示内螺柱 M8x20mm, J表示集合式 T: internal thread M6x10mm, Z: internal stud M8x20mm, J: integrated

端子类型 (Type of Terminals)

代码 Code	T代表内螺母 T means internal thread M6x10 (mm)	Z代表内螺柱 Z means internal stud M8x20 (mm)
可选铝壳外径 Optional diameters of Al case	Φ75/Φ76, Φ85/Φ86, Φ116, Φ136	Φ75/Φ76, Φ85/Φ86, Φ116, Φ136

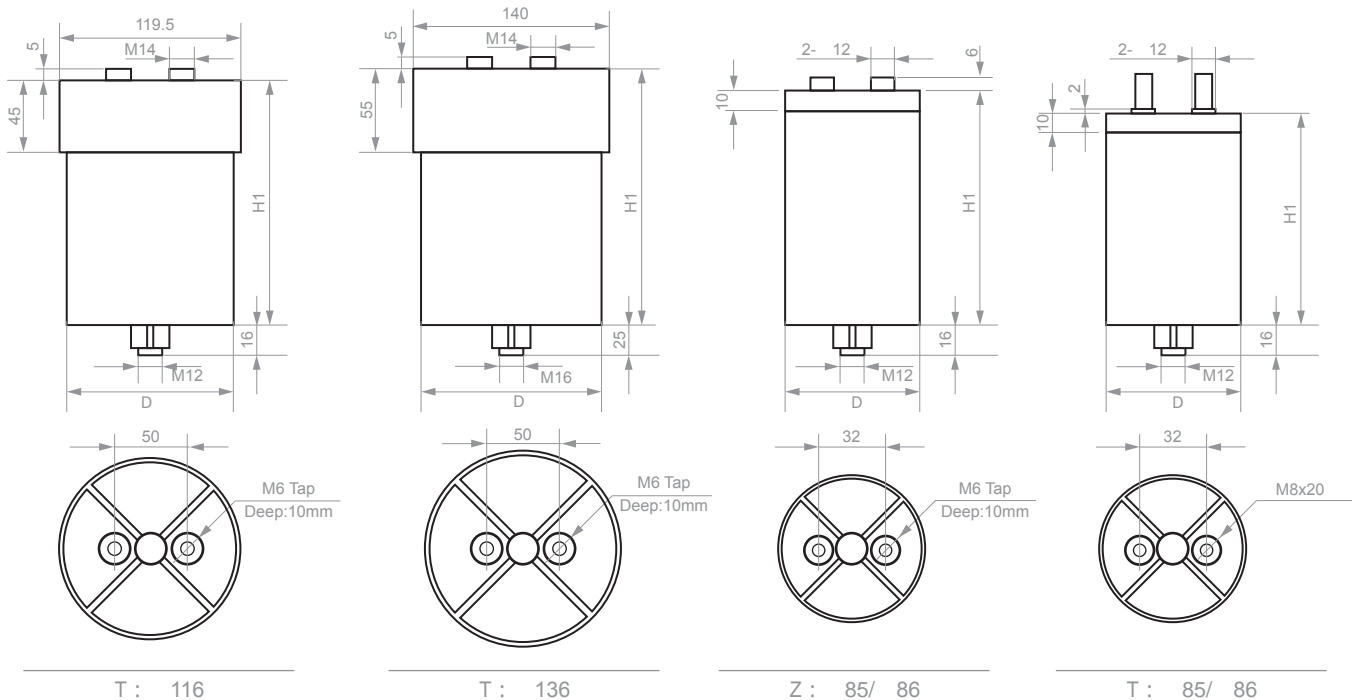
端子连接线的最小截面积 Minimum terminal connection cross-sections

为了不将热量传导到元件内部，电容器的外部导线应得到所需的尺寸。建议按比例决定这些导线的尺寸以便这些热量的传导远离电容器端子(铜材质)。

The outer leads to the capacitor should be dimensioned so that no heat is conducted into the component. It is advised that these leads be scaled so that heat is conducted away from capacitor terminals (for copper).

Rated current A 额定电流 (A)	12	15	18	26	34	44	61	82	108	135	168	207	250
Nominal cross-sections (mm ²) 标称截面积 (mm ²)	0.75	1	1.5	2.5	4	6	10	16	25	35	50	70	95

外形尺寸 (Outline Drawing)



■ 订购代码 (Ordering Code and Packing Units)

PD21系列600V

UN 600V DC		Us 900V		Ur 100V						
CN/ μ F	Rs/m Ω	I _{max} /A	\hat{I} /kA	Is/kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
750	1.6	30	3.7	11	135	60	85/86	115	T:M6x10mm	PD21*A0620751*T
1000	1.8	35	3.7	11	180	55	85/86	136	T:M6x10mm	PD21*A0620013*T
1100	1.9	35	3.7	11	198	40	85/86	146	Z:M8x20mm	PD21*A0620112*Z
1500	2.3	35	3.7	11	270	60	85/86	181	T:M6x10mm	PD21*A0620152*T
1600	1.3	60	7.4	22	288	60	85/86	215	Z:M8x20mm	PD21*A0620162*Z
2700	1.8	60	7.4	22	486	100	85/86	348	T:M6x10mm	PD21*A0620272*T
2200	1.1	40	6.7	20	396	40	116	146	T:M6x10mm	PD213A0620222*T
2400	1.3	40	6.7	20	432	50	116	185	T:M6x10mm	PD213A0620242*T
2700	0.66	60	13.4	40	486	50	116	215	T:M6x10mm	PD213A0620272*T
3900	0.83	60	13.4	40	702	70	116	295	T:M6x10mm	PD213A0620392*T
5100	0.96	60	13.4	40	918	70	116	345	T:M6x10mm	PD213A0620512*T
5900	0.73	60	19.2	58	1062	70	136	295	T:M6x10mm	PD214A0620592*T
7400	0.84	60	19.2	58	1332	70	136	345	T:M6x10mm	PD214A0620742*T

PD43系列600V

UN 600V DC		Us 900V		Ur 100V						
CN/ μ F	Rs/m Ω	I _{max} /A	\hat{I} /kA	Is/kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
1080	1	60	7.4	22	194	40	85/86	155	Z:M8x20mm	PD43*A0621081*Z
2000	1.4	60	7.4	22	360	60	85/86	252	T:M6x10mm	PD43*A0620023*T
2000	0.51	80	13.7	41	360	40	116	165	T:M6x10mm	PD433A0620023*T
3000	0.53	100	21	62	540	50	116	230	T:M6x10mm	PD433A0620033*T
4000	0.58	100	28	83	720	70	116	295	T:M6x10mm	PD433A0620043*T
5000	0.72	100	20	60	900	70	116	345	T:M6x10mm	PD433A0620053*T
5600	0.55	120	30	90	1008	70	136	295	T:M6x10mm	PD434A0620562*T
7000	0.66	120	29	87	1260	70	136	345	T:M6x10mm	PD434A0620073*T

PD21系列700V

U _N 700V DC		U _s 1050V		U _r 200V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
580	1.7	30	3.2	9.6	142	60	85/86	115	T:M6x10mm	PD21*A0720581*T
750	2	35	3.2	9.6	184	55	85/86	136	T:M6x10mm	PD21*A0720751*T
820	2.1	35	3.3	9.9	201	40	85/86	146	Z:M8x20mm	PD21*A0720821*Z
1100	2.5	35	3.2	9.6	270	60	85/86	181	T:M6x10mm	PD21*A0720112*T
1100	1.3	60	6.5	19.5	270	60	85/86	215	Z:M8x20mm	PD21*A0720112*Z
2100	1.8	60	6.5	19.5	515	100	85/86	348	T:M6x10mm	PD21*A0720212*T
1700	1.2	40	5.9	17.7	417	40	116	146	T:M6x10mm	PD213A0720172*T
1900	1.4	40	5.9	17.7	466	50	116	185	T:M6x10mm	PD213A0720192*T
2100	0.69	60	11.7	35.1	515	50	116	215	T:M6x10mm	PD213A0720212*T
3100	0.87	60	11.7	35.1	760	70	116	295	T:M6x10mm	PD213A0720212*T
3900	1	60	11.8	35	956	70	116	345	T:M6x10mm	PD213A0720392*T
4400	0.76	60	16.7	50.1	1078	70	136	295	T:M6x10mm	PD214A0720442*T
5500	0.88	60	16.7	50.1	1348	70	136	345	T:M6x10mm	PD214A0720552*T

PD43系列700V

U _N 700V DC		U _s 1050V		U _r 200V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
800	1.1	60	6.4	19	198	40	85/86	155	Z:M8x20mm	PD43*A0720082*Z
1460	0.54	80	11.7	35	358	40	116	165	T:M6x10mm	PD433A0721461*T
1500	1.5	60	6.4	19	368	60	85/86	252	T:M6x10mm	PD43*A0720152*T
2190	0.55	100	17.6	53	537	50	116	230	T:M6x10mm	PD433A0722191*T
2920	0.59	100	23.4	70	715	70	116	295	T:M6x10mm	PD433A0722921*T
3700	0.79	100	18	54	907	70	116	345	T:M6x10mm	PD433A0720372*T
4200	0.61	120	30	90	1029	70	136	295	T:M6x10mm	PD434A0720422*T
5200	0.68	120	25	75	1274	70	136	345	T:M6x10mm	PD434A0720522*T

PD21系列900V

UN 900V DC		Us 1350V		Ur 200V						
CN/uF	Rs/mΩ	I _{max} /A	I _l /kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
450	1.8	30	2.8	8.4	182	60	85/86	115	T:M6x10mm	PD21*A0920451*T
550	2.1	35	3	10	223	55	85/86	136	T:M6x10mm	PD21*A0920551*T
630	2.3	35	2.8	8.4	255	40	85/86	146	Z:M8x20mm	PD21*A0920631*Z
820	2.7	35	2.9	8.7	332	60	85/86	181	T:M6x10mm	PD21*A0920821*T
900	1.3	60	5.7	17.1	365	60	85/86	215	Z:M8x20mm	PD21*A0920092*Z
1600	1.9	60	5.7	17.1	648	100	85/86	348	T:M6x10mm	PD21*A0920162*T
1300	1.3	40	5.2	15.6	527	40	116	146	T:M6x10mm	PD213A0920132*T
1500	1.5	40	5.2	15.6	608	50	116	185	T:M6x10mm	PD213A0920152*T
1600	0.73	60	10.3	30.9	648	50	116	215	T:M6x10mm	PD213A0920162*T
2400	0.93	60	10.3	30.9	972	70	116	295	T:M6x10mm	PD213A0920242*T
3000	1.1	60	10.3	30.9	1215	70	116	345	T:M6x10mm	PD213A0920033*T
3300	0.8	60	14.6	43.8	1337	70	136	295	T:M6x10mm	PD214A0920332*T
4200	0.93	60	14.6	43.8	1701	70	136	345	T:M6x10mm	PD214A0920422*T

PD43系列900V

UN 900V DC		Us 1350V		Ur 200V						
CN/uF	Rs/mΩ	I _{max} /A	I _l /kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
610	1.1	60	5.6	16.8	247	40	85/86	155	Z:M8x20mm	PD43*A0920611*Z
1120	0.65	80	10.3	30.9	454	40	116	165	T:M6x10mm	PD433A0921121*T
1150	1.6	60	5.7	17.1	466	60	85/86	252	T:M6x10mm	PD43*A0921151*T
1680	0.57	100	15.4	46.2	680	50	116	230	T:M6x10mm	PD433A0921681*T
2240	0.61	100	20.5	61.5	907	70	116	295	T:M6x10mm	PD433A0922241*T
2800	0.78	100	15.4	46.2	1134	70	116	345	T:M6x10mm	PD433A0920282*T
3200	0.57	120	30	90	1296	70	136	295	T:M6x10mm	PD434A0920322*T
4000	0.7	120	22	66	1620	70	136	345	T:M6x10mm	PD434A0920043*T

PD21系列1100V

U _N 1100V DC		U _s 1650V		U _r 250V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
330	1.8	30	2.4	7.2	200	60	85/86	115	T:M6x10mm	PD21*A1120331*T
420	2	40	2.5	15	254	55	85/86	136	T:M6x10mm	PD21*A1120421*T
450	2.3	40	2.4	14.8	272	40	85/86	146	Z:M8x20mm	PD21*A1120451*T
580	2.8	40	2.4	14.8	357	60	85/86	181	T:M6x10mm	PD21*A1120591*T
650	1.3	60	4.8	14.4	393	60	85/86	215	Z:M8x20mm	PD21*A1120651*Z
1100	2	60	4.8	14.4	666	100	85/86	348	T:M6x10mm	PD21*A1120112*T
850	1.3	40	4.4	13.2	545	40	116	146	T:M6x10mm	PD213A1120092*T
1000	1.5	40	4.4	13.2	605	50	116	185	T:M6x10mm	PD213A1120013*T
1200	0.74	60	8.7	26.1	726	50	116	215	T:M6x10mm	PD213A1120122*T
1650	0.94	60	8.6	25.8	1029	70	116	295	T:M6x10mm	PD213A1120172*T
2050	1.1	60	8.7	26.1	1271	70	116	345	T:M6x10mm	PD213A1120212*T
2400	0.8	60	12.4	37.2	1452	70	136	295	T:M6x10mm	PD214A1120242*T
3000	0.93	60	12.4	37.2	1815	70	136	345	T:M6x10mm	PD214A1120033*T

PD43系列1100V

U _N 1100V DC		U _s 1650V		U _r 250V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
420	1	60	4.5	15.2	254	40	85/86	155	T:M6x10mm	PD43*A1120421*T
450	1.1	60	4.8	14.4	272	45	85/86	155	T:M6x10mm	PD43*A1120451*T
800	0.85	80	8.6	25.8	484	40	116	165	T:M6x10mm	PD433A1120082*T
830	1.7	60	4.8	14.4	502	60	85/86	252	T:M6x10mm	PD43*A1120831*T
1200	0.6	100	13	39	726	50	116	230	T:M6x10mm	PD433A1120122*T
1600	0.63	100	17.2	51.6	968	70	116	295	T:M6x10mm	PD433A1120162*T
2000	0.82	100	12.9	38.7	1210	70	116	345	T:M6x10mm	PD433A1120023*T
2300	0.59	120	24.8	74.4	1392	70	136	295	T:M6x10mm	PD434A1120232*T
2900	0.73	120	18.7	56.1	1755	70	136	345	T:M6x10mm	PD434A1120292*T

PD21系列1300V

U _N 1300V DC		U _s 1950V		U _r 300V						
CN/μF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
210	1.8	30	2	6	177	60	85/86	115	T:M6x10mm	PD21*A1320211*T
270	2.5	40	2	10	228	55	85/86	136	T:M6x10mm	PD21*A1320271*T
300	2.6	40	2	10	254	40	85/86	146	T:M6x10mm	PD21*A1320032*T
390	3.2	40	2	10	330	60	85/86	181	T:M6x10mm	PD21*A1320391*T
420	1.5	60	4	12	355	60	85/86	215	Z:M8x20mm	PD21*A1320421*Z
750	2.3	60	3.9	11.7	634	100	85/86	348	T:M6x10mm	PD21*A1320751*T
600	1.6	40	3.5	10.5	507	40	116	146	T:M6x10mm	PD213A1320062*T
700	1.8	40	3.5	10.5	592	50	116	185	T:M6x10mm	PD213A1320072*T
750	0.82	60	7	21	634	50	116	215	T:M6x10mm	PD213A1320751*T
1100	1	60	7	21	930	70	116	295	T:M6x10mm	PD213A1320112*T
1600	0.88	60	10	30	1352	70	136	295	T:M6x10mm	PD214A1320162*T
2000	1	60	10.1	30.3	1690	70	136	345	T:M6x10mm	PD214A1320023*T

PD43系列1300V

U _N 1300V DC		U _s 1950V		U _r 300V						
CN/μF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
300	1.2	60	4	12	254	40	85/86	155	T:M6x10mm	PD43*A1320032*T
545	0.77	80	7.2	21.6	461	40	116	165	T:M6x10mm	PD433A1325450*T
560	1.8	60	4	12	473	60	85/86	252	T:M6x10mm	PD43*A1320561*T
820	0.6	100	10.9	32.7	693	50	116	230	T:M6x10mm	PD433A1320821*T
1090	0.63	100	14.5	43.5	946	60	116	295	T:M6x10mm	PD433A1321091*T
1370	0.83	100	10.9	32.7	1158	70	116	345	T:M6x10mm	PD433A1321371*T
1560	0.59	120	20.7	62.1	1318	70	136	295	T:M6x10mm	PD434A1321561*T
1950	0.74	120	15.5	45.5	1648	70	136	345	T:M6x10mm	PD434A1321951*T

PD21系列1500V

U _N 1500V DC		U _s 2250V		U _r 300V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
160	2.3	30	1.7	5.1	180	60	85/86	115	T:M6x10mm	PD21*A1520161*T
210	2.8	40	2	10	236	55	85/86	136	T:M6x10mm	PD21*A1520211*T
230	2.9	40	2	10	259	40	85/86	146	Z:M8x20mm	PD21*A1520231*Z
300	3.6	40	2	10	338	60	85/86	181	T:M6x10mm	PD21*A1520032*T
330	1.7	60	3.4	10.2	371	60	85/86	215	Z:M8x20mm	PD21*A1520331*Z
600	2.5	60	3.4	10.2	675	100	85/86	348	T:M6x10mm	PD21*A1520062*T
470	1.7	40	3.3	10	529	40	116	146	T:M6x10mm	PD213A1520471*T
540	2	40	3.3	10	608	50	116	185	T:M6x10mm	PD213A1520541*T
590	0.88	60	6.1	18.3	664	50	116	215	T:M6x10mm	PD213A1520591*T
860	1.1	60	6.1	18.3	968	70	116	295	T:M6x10mm	PD213A1520861*T
1000	1.3	60	6.1	18.3	1125	70	116	345	T:M6x10mm	PD213A1520013*T
1200	0.93	60	8.7	26.1	1350	70	136	295	T:M6x10mm	PD214A1520122*T
1500	1.1	60	8.7	26.1	1688	70	136	345	T:M6x10mm	PD214A1520152*T

PD43系列1500V

U _N 1500V DC		U _s 2250V		U _r 300V						
CN/uF	Rs/mΩ	I _{max} /A	Î/kA	I _s /kA	W _N /Ws	Le/nH	D/mm	H1/mm	Stud/thread	Ordering code
230	1.3	60	3.4	10.2	259	40	85/86	155	T:M6x10mm	PD43*A1520231*T
380	1.8	60	3.4	10.2	428	60	85/86	232	T:M6x10mm	PD43*A1520381*T
410	0.82	80	6.1	18.3	461	40	116	165	T:M6x10mm	PD433A1520411*T
615	0.63	100	9.2	27.6	692	50	116	230	T:M6x10mm	PD433A1526150*T
820	0.66	100	12.2	36.6	922	60	116	295	T:M6x10mm	PD433A1520821*T
1020	0.88	100	9.1	27.3	1148	70	116	345	T:M6x10mm	PD433A1521021*T
1170	0.61	120	17.4	52.2	1316	70	136	295	T:M6x10mm	PD434A1521171*T
1490	0.77	120	13.3	39.9	1676	70	136	345	T:M6x10mm	PD434A1521491*T