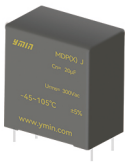




MDP(x)

- ◆PCB用DC-LINK电容器
- ◆金属化聚丙烯膜结构
- ◆塑壳封装，环氧树脂填充（UL94 V-0）
- ◆优良的电气性能



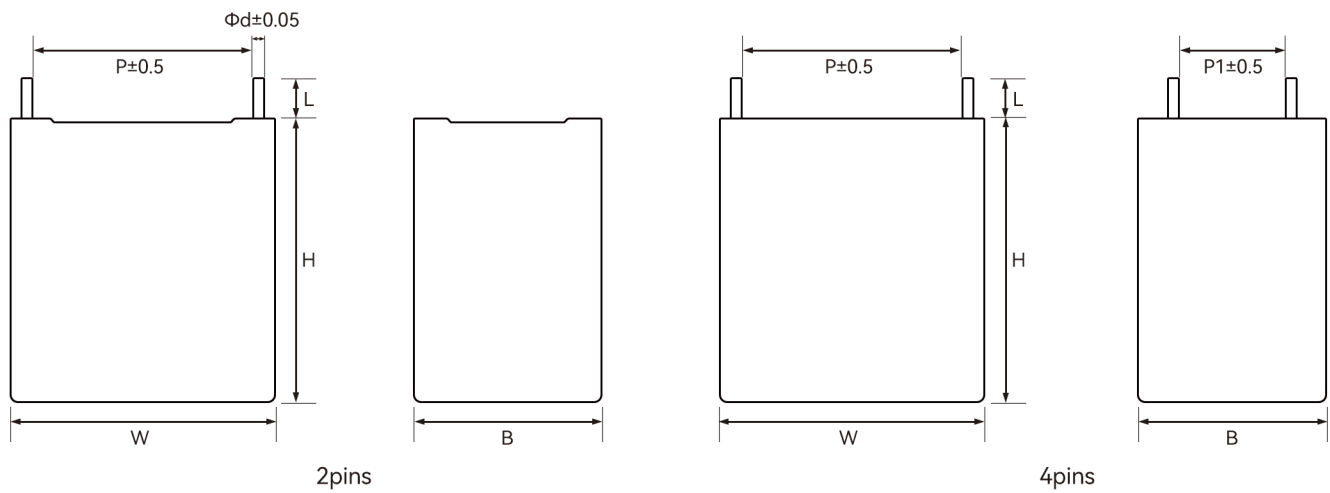
◆ 应用领域

◇太阳能逆变器 ◇不间断电源 ◇军工、高端电源 ◇车载充电机、充电桩

■ 主要技术参数

项目	特性
引用标准	GB/T 17702 (IEC 61071)
额定电压	500Vd.c.~1500Vd.c.
容量范围	5μF~240μF
气候类别	40/85/56,40/105/56
工作温度范围	-40℃~105℃ (85℃~105℃: 温度每升高1度额定电压降低1.35%)
容量偏差	±5%(J),±10%(K)
耐电压	1.5U _N (10s,20℃±5℃)
绝缘电阻	≥10000s (20℃,100Vd.c.,60s)
自感 (L _s)	< 1nH/mm 引线间距
介质损耗角正切	0.0002
最大峰值电流 $\hat{I}$ (A)	$\hat{I}=C\times dv/dt$
不可重复峰值电流	1.4 $\hat{I}$ (寿命期间1000次)
过电压	1.1U _N (有载持续时间的30%/d)
	1.15 U _N (30min/d)
	1.2 U _N (5min/d)
	1.3 U _N (1min/d)
	1.5U _N (在本电容器的寿命期间, 允许有1000次大小等于1.5U _N 且持续30ms的过压)
预期寿命	100000h@U _N ,70℃,Θ _{hs} =85℃
失效率	≤300FIT@U _N ,70℃,Θ _{hs} =85℃

■ 产品尺寸图



备注：产品外形尺寸以mm为单位，具体尺寸详见《产品尺寸表》。



MDP(X)

■ 标准品一览表

额定电压	C _N (μF)	W±1 (mm)	H±1 (mm)	T±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	tanδ(×10 ⁻⁴)		ESR@ 10kHz (mΩ)	I _{max} (A)	产品编码
									1kHz	10kHz			
500Vdc	30	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	6.2	14.5	MDP501306*323722++RY
	40	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	7.7	13.9	MDP501406*424020++SY
	50	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	6.6	17.3	MDP501506*423728++SY
	55	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	6.2	19.1	MDP501556*424424++SY
	70	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	5.3	21.8	MDP501706*424530++SR
	80	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	5	22.2	MDP501806*424635++SR
	90	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	4.7	25	MDP501906*425035++SR
	100	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	5.9	15.5	MDP501107*574530++WR
	120	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	4	29.1	MDP501127*425540++SR
	130	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	4.8	20.1	MDP501137*575035++WR
	150	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	3.6	36.4	MDP501157*426245++SR
	150	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	3.3	23.2	MDP501157*575635++WR
	180	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	2.7	27.9	MDP501187*576435++WR
	190	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	2.6	29.4	MDP501197*575545++WR
	200	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	2.4	31	MDP501207*577035++WR
	220	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	2.2	34	MDP501227*576445++WR
	240	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	2	34.9	MDP501247*578035++WR
	330	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	1.8	35	MDP501337*577850++WR
600Vdc	25	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	6.2	12.4	MDP601256*323722++RY
	35	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	7.1	13	MDP601356*424020++SY
	40	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	6.3	14.2	MDP601406*423728++SY
	45	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	5.7	14.7	MDP601456*424424++SY
	60	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	4.5	17.1	MDP601606*424530++SR
	70	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	4.2	18.4	MDP601706*424635++SR
	80	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	3.8	21	MDP601806*425035++SR
	85	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	5.9	14.7	MDP601856*574530++WR
	100	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	3.3	23.5	MDP601107*425540++SR
	110	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	4.8	19	MDP601117*575035++WR
	130	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	2.7	29.8	MDP601137*426245++SR
	130	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	3.7	22.4	MDP601137*575635++WR
	160	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	3	27	MDP601167*576435++WR
	160	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	3	27	MDP601167*575545++WR
	170	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	2.7	28.7	MDP601177*577035++WR
	200	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	2.3	33.8	MDP601207*576445++WR
	210	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	2.2	35	MDP601217*578035++WR
	290	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	1.9	35	MDP601297*577850++WR
800Vdc	18	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	7.2	12.4	MDP801186*323722++RY
	22	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	9.4	12.5	MDP801226*424020++SY
	30	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	7.3	17.1	MDP801306*423728++SY
	30	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	7.3	17.1	MDP801306*424424++SY
	40	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	5.8	20	MDP801406*424530++SR
	45	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	5.6	22.5	MDP801456*424635++SR
	55	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	4.9	27.5	MDP801556*425035++SR

备注：“*”表示产品的容量偏差，J=±5%，K=±10%；“++”表示内部编号。



MDP(X)

■ 标准品一览表

额定电压	C _N (μF)	W±1 (mm)	H±1 (mm)	T±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	tanδ(×10 ⁻⁴)		ESR@ 10kHz (mΩ)	I _{max} (A)	产品编码
									1kHz	10kHz			
800Vdc	60	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	7.3	16.7	MDP801606*574530++WR
	70	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	4.1	35	MDP801706*425540++SR
	80	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	5.7	22.2	MDP801806*575035++WR
	90	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	3.6	45.1	MDP801906*426245++SR
	90	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	5.2	25	MDP801906*575635++WR
	110	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	4.4	30.6	MDP801117*576435++WR
	110	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	4.4	30.6	MDP801117*575545++WR
	120	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	4.1	33.3	MDP801127*577035++WR
	130	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	3.9	35	MDP801137*576445++WR
	140	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	3.7	35	MDP801147*578035++WR
	200	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	2.5	35	MDP801207*577850++WR
900Vdc	14	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	7.9	14.9	MDP901146*323722++RY
	20	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	9.2	12.6	MDP901206*424020++SY
	25	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	7.7	15.7	MDP901256*423728++SY
	25	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	7.7	15.7	MDP901256*424424++SY
	35	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	5.9	22	MDP901356*424530++SR
	40	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	5.6	25.2	MDP901406*424635++SR
	45	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	5.2	28.3	MDP901456*425035++SR
	50	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	7.8	15.3	MDP901506*574530++WR
	60	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	4.3	37.8	MDP901606*425540++SR
	65	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	6.2	19.9	MDP901656*575035++WR
	75	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	3.7	47.2	MDP901756*426245++SR
	75	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	5.5	22.9	MDP901756*575635++WR
	90	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	4.8	27.5	MDP901906*576435++WR
	90	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	4.8	27.5	MDP901906*575545++WR
	100	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	4.5	28.3	MDP901107*577035++WR
	110	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	4.1	31.6	MDP901117*576445++WR
	120	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	3.8	33	MDP901127*578035++WR
	160	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	3.2	35	MDP901167*577850++WR
1000Vdc	11	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	9.2	13.3	MDP102116*323722++RY
	15	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	11.1	10.7	MDP102156*424020++SY
	20	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	9	14	MDP102206*423728++SY
	20	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	9	14	MDP102206*424424++SY
	25	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	7.5	17.8	MDP102256*424530++SR
	30	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	6.9	21.4	MDP102306*424635++SR
	35	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	6.2	24.9	MDP102356*425035++SR
	40	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	9	13.8	MDP102406*574530++WR
	45	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	5.2	32.1	MDP102456*425540++SR
	50	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	7.2	17.3	MDP102506*575035++WR
	55	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	4.7	39.2	MDP102556*426245++SR
	60	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	6.2	20.7	MDP102606*575635++WR
	70	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	5.5	24.2	MDP102706*576435++WR
	70	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	5.5	24.2	MDP102706*575545++WR
	80	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	5	26.3	MDP102806*577035++WR

备注：“*”表示产品的容量偏差，J=±5%，K=±10%；“++”表示内部编号。



MDP(X)

■ 标准品一览表

额定电压	C _N (μF)	W±1 (mm)	T±1 (mm)	T±1 (mm)	P (mm)	P1 (mm)	d±0.05 (mm)	dv/dt (V/μs)	tanδ(×10 ⁻⁴)		ESR@ 10kHz (mΩ)	I _{max} (A)	产品编码
									1kHz	10kHz			
1000Vdc	90	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	4.5	29.6	MDP102906*576445++WR
	90	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	4.5	29.6	MDP102906*578035++WR
	130	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	3.8	35	MDP102137*577850++WR
1100Vdc	8.0	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	10.7	10.5	MDP112805*323722++RY
	12	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	12.4	9.7	MDP112126*424020++SY
	15	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	10.3	12.3	MDP112156*423728++SY
	15	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	10.7	11.9	MDP112156*424424++SY
	20	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	8.3	16.4	MDP112206*424530++SR
	25	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	7	20.5	MDP112256*424635++SR
	28	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	6.4	23	MDP112286*425035++SR
	30	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	10.7	11.8	MDP112306*574530++WR
	35	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	5.6	28.8	MDP112356*425540++SR
	40	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	8.2	15.4	MDP112406*575035++WR
	45	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	4.8	37	MDP112456*426245++SR
	45	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	7.3	17.8	MDP112456*575635++WR
	55	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	6.2	21.7	MDP112556*576435++WR
	55	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	6.2	21.7	MDP112556*575545++WR
	60	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	5.9	23.7	MDP112606*577035++WR
	70	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	4.9	24.9	MDP112706*576445++WR
	70	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	4.9	24.9	MDP112706*578035++WR
	100	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	3.7	35	MDP112107*577850++WR
1200Vdc	7.0	32.0	37.0	22.0	27.5	10.2	0.8	50	10	100	10.7	12.1	MDP122705*323722++RY
	10	42.0	40.0	20.0	37.5	10.2	1.0	20	20	190	14.4	7.9	MDP122106*424020++SY
	12	42.0	37.0	28.0	37.5	10.2	1.0	20	20	190	12.3	9.8	MDP122126*423728++SY
	12	42.0	44.0	24.0	37.5	10.2	1.0	20	20	190	12.3	9.8	MDP122126*424424++SY
	15	42.0	45.0	30.0	37.5	20.3	1.2	20	20	190	10.3	11.3	MDP122156*424530++SR
	20	42.0	46.0	35.0	37.5	20.3	1.2	20	20	190	7.6	14.5	MDP122206*424635++SR
	22	42.0	50.0	35.0	37.5	20.3	1.2	20	20	190	7.1	16	MDP122226*425035++SR
	25	57.5	45.0	30.0	52.5	20.3	1.2	12	33	320	12	9.8	MDP122256*574530++WR
	28	42.0	55.0	40.0	37.5	20.3	1.2	20	20	190	6.1	19.9	MDP122286*425540++SR
	35	42.0	62.0	45.0	37.5	20.3	1.2	20	20	190	5.1	21.4	MDP122356*426245++SR
	35	57.5	50.0	35.0	52.5	20.3	1.2	12	33	320	9	13.4	MDP122356*575035++WR
	40	57.5	56.0	35.0	52.5	20.3	1.2	12	33	320	7.9	13.9	MDP122406*575635++WR
	45	57.5	64.5	35.0	52.5	20.3	1.2	12	33	320	7.3	16.7	MDP122456*576435++WR
	50	57.5	55.0	45.0	52.5	20.3	1.2	12	33	320	6.9	16.9	MDP122506*575545++WR
	55	57.5	70.0	35.0	52.5	20.3	1.2	12	33	320	6.5	18.2	MDP122556*577035++WR
	60	57.5	64.5	45.0	52.5	20.3	1.2	12	33	320	5.9	19.6	MDP122606*576445++WR
	60	57.5	80.0	35.0	52.5	20.3	1.2	12	33	320	5.9	19.6	MDP122606*578035++WR
	80	57.5	78.0	50.0	52.5	20.3	1.2	12	33	320	4.2	34	MDP122806*577850++WR

备注：“*”表示产品的容量偏差，J=±5%，K=±10%；“++”表示内部编号。