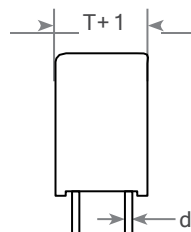
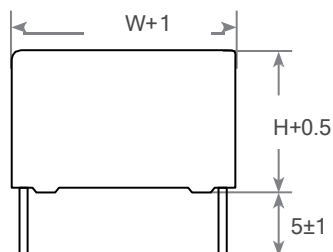


# ZZEC MPD 系列 DC-Link 电容器

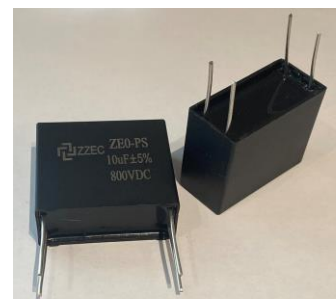
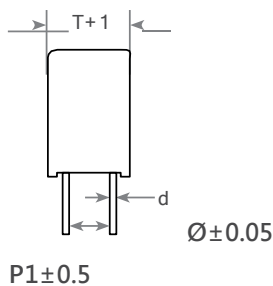
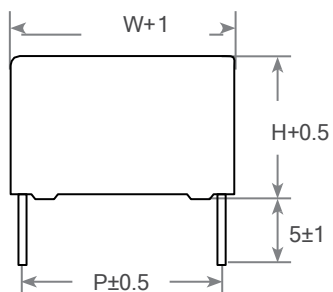
## DC-Link Capacitor for PCB

### 外形图 Outline Drawing

2-PINS  
Version

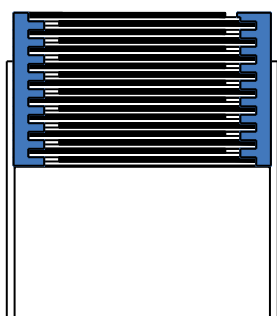


4-PINS  
Version



### 结构

### construction



金属化聚丙烯薄膜  
Metallized Polypropylene Film



金属喷涂层  
Metal Spray Layer



连接线  
Connecting Wire

### 结构说明 construction

- 电介质: 金属化聚丙烯薄膜
- Dielectric: Metallized Polypropylene Film
- 卷绕: 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



■ 技术要求 Specifications

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(外壳) Operating Temperature Range(case)	-40①~105① (+85① to +105① : decreasing factor 1.35% per ① for $U_{N,85①}$ )
额定电压( $U_{N,85①}$ ) Rated Voltage ( $U_{N,85①}$ )	500Vdc, 600Vdc, 800Vdc, 900Vdc, 1 000Vdc, 1 100Vdc, 1 200Vdc
电容量偏差 Capacitance Tolerance	±5% (J), ±10% (K)
耐电压 Voltage Proof	1.5 $U_N$ (10s)
绝缘电阻 Insulation Resistance $IR \times C_N$	10 000s (20①, 100Vdc, 1min)
自感( $L_s$ ) Self Inductance( $L_s$ )	1nH per mm of lead spacing
最大峰值电流 $\hat{I}$ (A) Maximum peak current $\hat{I}$ (A)	$\hat{I} = C \cdot dV/dt$
预期寿命 Expected lifetime	100 000h@ $U_N, \theta_{hs} = 70①$

■ 产品编码说明 Part number system

■ 15 位代码如下：

The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B	D	1	0	6	K	0	4	5	0	D	2	22.5			

第 1-2 位：型号代码

第 3-5 位：标称容量  $\mu F / pF$

举例： $105 = 10 \times 10^5 pF = 1.0 \mu F$

第 6 位：容量偏差

J=±5%, K=±10%

第 7-10 位：电压

第 11 位：直交流

第 12 位：引线数 2/4

第 13-16 位：脚距

Digit 1 to 3: Series code

Digit 3 to 5: capacitance value

For example:  $105 = 10 \times 105 pF = 1.0 \mu F$

Digit 6: Capacitance tolerance

J=±5%, K=±10%

Digit 7 to 10: voltage

Digit 11: DC/AC

Digit 12: PIN 2/4

Digit 13 to 16: PITH



## ■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-4</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
5.0	32.0	20.0	11.0	27.5	-	0.8	65	10	100	21.9	5.0
10.0	32.0	24.5	15.0	27.5	-	0.8	65	10	100	11.5	6.5
22.0	32.0	37.0	22.0	27.5	-	0.8	65	10	100	5.9	10.0
30.0	42.0	40.0	20.0	37.5	10.2	1.0	30	15	150	8.0	12.5
35.0	42.0	36.0	24.0	37.5	10.2	1.0	30	15	150	8.0	13.5
40.0	41.5	37.5	27.5	37.5	10.2	1.0	30	15	150	5.0	14.5
50.0	41.0	43.0	28.0	37.5	12.7	1.2	30	15	150	4.0	16.0
50.0	42.0	45.0	30.0	37.5	20.3	1.2	30	15	150	4.0	16.0
60.0	42.0	45.0	30.0	37.5	20.3	1.2	30	15	150	3.8	16.5
75.0	57.0	43.5	29.5	52.5	12.7	1.2	15	35	350	5.5	16.0
75.0	57.0	43.5	29.5	52.5	20.3	1.2	15	35	350	5.5	16.0
80.0	57.0	43.5	29.5	52.5	20.3	1.2	15	35	350	5.0	16.5
100.0	57.0	50.0	35.0	52.5	20.3	1.2	15	35	350	4.0	18.0
110.0	57.0	50.0	35.0	52.5	20.3	1.2	15	35	350	4.0	19.0

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-4</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
2.0	32.0	18.0	9.0	27.5	-	0.8	65	11	100	47.8	2.8
3.0	32.0	20.0	11.0	27.5	-	0.8	65	11	100	31.8	4.1
4.0	32.0	20.0	11.0	27.5	-	0.8	65	11	100	23.9	5.5
5.0	32.0	22.0	13.0	27.5	-	0.8	65	11	100	19.1	6.9
6.0	32.0	24.5	15.0	27.5	-	0.8	65	11	100	18.6	7.1
7.0	32.0	24.5	15.0	27.5	-	0.8	65	11	100	15.9	8.3
8.0	32.0	28.0	14.0	27.5	-	0.8	65	11	100	13.9	9.5
9.0	32.0	30.0	16.0	27.5	-	0.8	65	11	100	12.4	10.7
10.0	32.0	30.0	16.0	27.5	-	0.8	65	11	100	11.1	11.0
12.0	32.0	33.0	18.0	27.5	-	0.8	65	11	100	10.8	12.0
★ 12.0	32.0	33.0	18.0	27.5	-	0.8	65	11	100	10.8	12.0
15.0	32.0	37.0	22.0	27.5	-	0.8	65	11	100	9.0	12.0
15.0	32.0	37.0	22.0	27.5	10.2	0.8	65	11	100	7.4	16.5
18.0	32.0	37.0	22.0	27.5	-	0.8	65	11	100	8.0	12.0
18.0	32.0	37.0	22.0	27.5	12.7	0.8	65	11	100	6.2	17.0
10.0	41.0	30.0	16.0	37.5	-	1.0	30	20	175	19.5	6.2
12.0	41.0	30.0	16.0	37.5	-	1.0	30	20	175	16.3	7.4
★ 15.0	41.0	33.5	18.5	37.5	-	1.0	30	20	175	13.0	9.2
20.0	42.0	40.0	20.0	37.5	10.2	1.0	30	20	175	9.8	12.3
22.0	42.0	40.0	20.0	37.5	10.2	1.0	30	20	175	8.9	13.5
25.0	42.0	40.0	20.0	37.5	10.2	1.0	30	20	175	7.8	15.4
30.0	42.0	44.0	24.0	37.5	12.7	1.0	30	20	175	6.5	18.5
★ 35.0	42.0	45.0	30.0	37.5	12.7	1.2	30	20	175	6.0	20.1
35.0	42.0	45.0	30.0	37.5	20.3	1.2	30	20	175	6.0	20.1
40.0	42.0	45.0	30.0	37.5	12.7	1.2	30	20	175	5.2	23.0
40.0	42.0	45.0	30.0	37.5	20.3	1.2	30	20	175	5.2	23.0



■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-4</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
★ 45.0	42.0	50.0	35.0	37.5	12.7	1.2	30	20	175	4.6	25.8
★ 45.0	42.0	50.0	35.0	37.5	20.3	1.2	30	20	175	4.6	25.8
★ 50.0	42.0	50.0	35.0	37.5	20.3	1.2	30	20	175	4.2	28.7
★ 50.0	42.0	46.0	35.0	37.5	20.3	1.2	30	20	175	4.2	28.7
55.0	42.0	50.0	35.0	37.5	20.3	1.2	30	20	175	3.8	31.6
60.0	42.0	55.0	40.0	37.5	20.3	1.2	30	20	175	3.5	34.5
★ 65.0	42.0	55.0	40.0	37.5	20.3	1.2	30	20	175	3.2	35.0
70.0	42.0	55.0	40.0	37.5	20.3	1.2	30	20	175	3.0	35.0
★ 75.0	42.0	60.0	45.0	37.5	20.3	1.2	30	20	175	2.8	35.0
★ 80.0	42.0	60.0	45.0	37.5	20.3	1.2	30	20	175	2.6	35.0
★ 85.0	42.0	60.0	45.0	37.5	20.3	1.2	30	20	175	2.5	35.0
★ 40.0	57.0	45.0	25.0	52.5	12.7	1.2	15	36	350	9.8	12.3
★ 45.0	57.0	45.0	25.0	52.5	12.7	1.2	15	36	350	8.7	13.8
★ 50.0	57.0	45.0	25.0	52.5	12.7	1.2	15	36	350	7.8	15.4
★ 55.0	57.0	43.5	29.5	52.5	12.7	1.2	15	36	350	7.1	16.9
★ 55.0	57.0	43.5	29.5	52.5	20.3	1.2	15	36	350	7.1	16.9
60.0	57.0	43.5	29.5	52.5	12.7	1.2	15	36	350	6.5	18.5
60.0	57.0	43.5	29.5	52.5	20.3	1.2	15	36	350	6.5	18.5
★ 65.0	57.0	50.0	35.0	52.5	12.7	1.2	15	36	350	6.0	20.0
★ 65.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	6.0	20.0
★ 70.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	5.6	21.5
75.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	5.2	23.1
80.0	57.0	50.0	35.0	52.5	20.3	1.2	15	36	350	4.9	24.6
★ 85.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.8	25.1
★ 90.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.6	25.8
★ 95.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.4	27.3
100.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	4.2	28.7
110.0	57.0	55.0	45.0	52.5	20.3	1.2	15	36	350	3.8	31.6
120.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.5	34.5
★ 130.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.2	35.0
140.0	57.0	65.0	45.0	52.5	20.3	1.2	15	36	350	3.0	35.0

U<sub>N, 850</sub> : 800Vdc

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-4</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
2.0	32.0	18.0	9.0	27.5	-	0.8	65	10	95	45.4	2.9
3.0	32.0	20.0	11.0	27.5	-	0.8	65	10	95	30.3	4.4
3.3	32.0	30.0	16.0	27.5	-	0.8	65	10	95	18.8	7.0
4.0	32.0	25.0	13.0	27.5	-	0.8	65	10	95	22.7	5.8
5.0	32.0	24.5	15.0	27.5	-	0.8	65	10	95	18.2	7.3
★ 6.0	32.0	30.0	16.0	27.5	-	0.8	65	10	95	15.1	8.7
7.0	32.0	30.0	16.0	27.5	-	0.8	65	10	95	13.0	10.2
8.0	32.0	33.0	18.0	27.5	-	0.8	65	10	95	12.5	10.5
9.0	32.0	33.0	18.0	27.5	-	0.8	65	10	95	11.1	11.8
10.0	32.0	37.0	22.0	27.5	-	0.8	65	10	95	11.0	12.0
★ 10.0	32.0	37.0	22.0	27.5	-	1.0	65	10	95	11.0	13.0

■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-3</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
10.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	9.1	14.5
わ 11.0	32.0	37.0	22.0	27.5	-	0.8	65	10	95	10.0	12.0
わ 11.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	8.3	16.0
12.0	32.0	37.0	22.0	27.5	-	0.8	65	10	95	9.3	12.0
12.0	32.0	37.0	22.0	27.5	10.2	0.8	65	10	95	7.6	16.0
13.0	32.0	37.0	22.0	27.5	-	0.8	65	10	95	8.8	12.0
13.0	32.0	37.0	22.0	27.5	12.7	0.8	65	10	95	8.1	16.2
14.0	32.0	37.0	22.0	27.5	-	0.8	65	10	95	8.2	12.0
14.0	32.0	37.0	22.0	27.5	12.7	0.8	65	10	95	7.6	16.5
わ 22.0	32.0	55.0	22.0	27.5	-	1.0	65	10	95	7.5	15.0
わ 8.0	41.0	30.0	16.0	37.5	-	1.0	30	18	160	22.3	5.4
9.0	41.0	30.0	16.0	37.5	-	1.0	30	18	160	19.8	6.1
10.0	41.0	33.5	18.5	37.5	-	1.0	30	18	160	17.8	6.7
12.0	41.0	33.5	18.5	37.5	-	1.0	30	18	160	14.9	8.1
14.0	41.0	33.5	18.5	37.5	-	1.0	30	18	160	13.8	9.4
15.0	42.0	40.0	20.0	37.5	10.2	1.0	30	18	160	11.9	10.1
20.0	42.0	44.0	24.0	37.5	12.7	1.0	30	18	160	8.9	13.5
25.0	42.0	44.0	24.0	37.5	12.7	1.0	30	18	160	7.1	16.8
30.0	42.0	45.0	30.0	37.5	12.7	1.2	30	18	160	5.9	20.2
30.0	42.0	45.0	30.0	37.5	20.3	1.2	30	18	160	5.9	20.2
わ 35.0	42.0	50.0	35.0	37.5	20.3	1.2	30	18	160	5.5	22.0
40.0	42.0	50.0	35.0	37.5	20.3	1.2	30	18	160	4.8	25.1
わ 45.0	42.0	55.0	40.0	37.5	20.3	1.2	30	18	160	4.2	28.3
50.0	42.0	55.0	40.0	37.5	20.3	1.2	30	18	160	3.8	31.4
わ 55.0	42.0	60.0	45.0	37.5	20.3	1.2	30	18	160	3.5	34.5
わ 60.0	42.0	60.0	45.0	37.5	20.3	1.2	30	18	160	3.2	35.0
わ 65.0	42.0	60.0	45.0	37.5	20.3	1.2	30	18	160	2.9	35.0
わ 25.0	57.0	45.0	25.0	52.5	12.7	1.2	15	33	320	14.3	8.4
わ 30.0	57.0	45.0	25.0	52.5	12.7	1.2	15	33	320	11.9	10.1
わ 35.0	57.0	45.0	25.0	52.5	12.7	1.2	15	33	320	10.2	11.8
40.0	57.0	43.5	29.5	52.5	12.7	1.2	15	33	320	8.9	13.5
40.0	57.0	43.5	29.5	52.5	20.3	1.2	15	33	320	8.9	13.5
45.0	57.0	43.5	29.5	52.5	12.7	1.2	15	33	320	7.9	15.1
45.0	57.0	43.5	29.5	52.5	20.3	1.2	15	33	320	7.9	15.1
50.0	57.0	50.0	35.0	52.5	12.7	1.2	15	33	320	7.1	16.8
50.0	57.0	50.0	35.0	52.5	20.3	1.2	15	33	320	7.1	16.8
50.0	57.0	45.0	30.0	52.5	20.3	1.2	15	33	320	7.1	16.8
55.0	57.0	50.0	35.0	52.5	20.3	1.2	15	33	320	6.5	18.5
60.0	57.0	50.0	35.0	52.5	20.3	1.2	15	33	320	5.9	20.2
わ 65.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	5.5	21.9
70.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	5.1	23.6
わ 75.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.8	25.2
80.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.6	25.9
わ 85.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.5	26.7
90.0	57.0	55.0	45.0	52.5	20.3	1.2	15	33	320	4.2	28.3
95.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	4.0	29.8
100.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	3.8	31.4
110.0	57.0	65.0	45.0	52.5	20.3	1.2	15	33	320	3.5	34.5

■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-3</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
1.0	32.0	18.0	9.0	27.5	-	0.8	70	9	90	86.0	1.5
2.0	32.0	20.0	11.0	27.5	-	0.8	70	9	90	43.0	3.1
3.0	32.0	22.0	13.0	27.5	-	0.8	70	9	90	28.7	4.6
4.0	32.0	24.5	15.0	27.5	-	0.8	70	9	90	21.5	6.1
5.0	32.0	30.0	16.0	27.5	-	0.8	70	9	90	17.2	7.7
わ 6.0	32.0	33.0	18.0	27.5	-	0.8	70	9	90	18.0	6.9
7.0	32.0	33.0	18.0	27.5	-	0.8	70	9	90	13.0	10.2
8.0	32.0	37.0	22.0	27.5	-	0.8	70	9	90	11.5	11.4
8.0	32.0	37.0	22.0	27.5	10.2	0.8	70	9	90	10.7	12.3
9.0	32.0	37.0	22.0	27.5	-	0.8	70	9	90	10.4	12.0
9.0	32.0	37.0	22.0	27.5	12.7	0.8	70	9	90	9.6	13.8
10.0	32.0	37.0	22.0	27.5	-	0.8	70	9	90	12.0	12.2
10.0	32.0	37.0	22.0	27.5	12.7	0.8	70	9	90	8.6	15.4
4.7	41.0	26.0	15.0	37.5	-	1.0	35	17	150	35.6	3.4
5.0	41.0	30.0	16.0	37.5	-	1.0	35	17	150	33.4	3.6
わ 6.0	41.0	30.0	16.0	37.5	-	1.0	35	17	150	27.9	4.3
7.0	41.0	30.0	16.0	37.5	-	1.0	35	17	150	23.9	5.0
8.0	41.0	33.5	18.5	37.5	-	1.0	35	17	150	20.9	5.7
10.0	42.0	40.0	20.0	37.5	10.2	1.0	35	17	150	16.7	7.2
12.0	41.0	37.0	22.0	37.5	10.2	1.0	35	17	150	13.9	8.6
15.0	42.0	44.0	24.0	37.5	12.7	1.0	35	17	150	11.1	10.8
わ 18.0	42.0	44.0	24.0	37.5	12.7	1.0	35	17	150	9.3	12.9
20.0	42.0	44.0	24.0	37.5	12.7	1.0	35	17	150	8.4	14.4
25.0	42.0	45.0	30.0	37.5	12.7	1.2	35	17	150	6.7	17.9
25.0	42.0	45.0	30.0	37.5	20.3	1.2	35	17	150	6.7	17.9
30.0	42.0	50.0	35.0	37.5	20.3	1.2	35	17	150	5.6	21.5
わ 35.0	42.0	55.0	40.0	37.5	20.3	1.2	35	17	150	5.1	23.4
40.0	42.0	55.0	40.0	37.5	20.3	1.2	35	17	150	4.5	26.8
わ 45.0	42.0	60.0	45.0	37.5	20.3	1.2	35	17	150	4.0	30.1
わ 50.0	42.0	60.0	45.0	37.5	20.3	1.2	35	17	150	3.6	33.5
わ 15.0	57.0	45.0	25.0	52.5	10.2	1.2	15	31	300	22.3	5.4
わ 20.0	57.0	45.0	25.0	52.5	12.7	1.2	15	31	300	16.7	7.2
わ 25.0	57.0	45.0	25.0	52.5	12.7	1.2	15	31	300	13.4	9.0
わ 30.0	57.0	43.5	29.5	52.5	12.7	1.2	15	31	300	11.1	10.8
30.0	57.0	43.5	29.5	52.5	20.3	1.2	15	31	300	11.1	10.8
わ 35.0	57.0	43.5	29.5	52.5	12.7	1.2	15	31	300	9.6	12.6
わ 35.0	57.0	43.5	29.5	52.5	20.3	1.2	15	31	300	9.6	12.6
40.0	57.0	50.0	35.0	52.5	20.3	1.2	15	31	300	8.4	14.4
わ 45.0	57.0	50.0	35.0	52.5	20.3	1.2	15	31	300	7.4	16.1
50.0	57.0	50.0	35.0	52.5	20.3	1.2	15	31	300	6.7	17.9
わ 55.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	6.1	19.7
わ 60.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.6	21.5
わ 65.0	57.0	55.0	45.0	52.5	20.3	1.2	15	31	300	5.1	23.3
わ 70.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.8	25.1
わ 75.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.7	25.7
わ 80.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.5	26.8
85.0	57.0	65.0	45.0	52.5	20.3	1.2	15	31	300	4.2	28.5



## ■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-3</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
1.0	32.0	18.0	9.0	27.5	-	0.8	75	8	80	76.4	1.7
2.0	32.0	22.0	13.0	27.5	-	0.8	75	8	80	38.2	3.5
3.0	32.0	24.5	15.0	27.5	-	0.8	75	8	80	25.5	5.2
4.0	32.0	30.0	16.0	27.5	-	0.8	75	8	80	19.1	6.9
5.0	32.0	33.0	18.0	27.5	-	0.8	75	8	80	15.3	8.6
6.0	32.0	33.0	18.0	27.5	-	0.8	75	8	80	14.9	8.9
わ 7.0	32.0	37.0	22.0	27.5	-	0.8	75	8	80	14.5	9.4
わ 7.0	32.0	37.0	22.0	27.5	12.7	0.8	75	8	80	11.4	11.6
8.0	32.0	37.0	22.0	27.5	-	0.8	75	8	80	13.0	10.8
8.0	32.0	37.0	22.0	27.5	12.7	0.8	75	8	80	10.0	13.3
わ 5.0	41.0	30.0	16.0	37.5	-	1.0	37	15	140	31.2	3.8
6.0	41.0	30.0	16.0	37.5	-	1.0	37	15	140	26.0	4.6
7.0	41.0	33.5	18.5	37.5	-	1.0	37	15	140	22.3	5.4
8.0	41.0	33.5	18.5	37.5	-	1.0	37	15	140	19.5	6.2
10.0	42.0	40.0	20.0	37.5	-	1.0	37	15	140	15.6	6.7
10.0	42.0	40.0	20.0	37.5	10.2	1.0	37	15	140	15.6	7.7
12.0	41.0	37.0	22.0	37.5	12.7	1.0	37	15	140	13.0	9.2
12.0	41.0	37.0	22.0	37.5	-	1.0	37	15	140	15.0	8.0
15.0	42.0	44.0	24.0	37.5	12.7	1.0	37	15	140	10.4	11.5
18.0	42.0	45.0	30.0	37.5	12.7	1.2	37	15	140	8.7	13.8
18.0	42.0	45.0	30.0	37.5	20.3	1.2	37	15	140	8.7	13.8
20.0	42.0	45.0	30.0	37.5	12.7	1.2	37	15	140	7.8	15.4
20.0	42.0	45.0	30.0	37.5	20.3	1.2	37	15	140	7.8	15.4
25.0	42.0	50.0	35.0	37.5	20.3	1.2	37	15	140	6.2	19.2
わ	42.0	55.0	40.0	37.5	20.3	1.2	37	15	140	5.2	23.1
35.0	42.0	55.0	40.0	37.5	20.3	1.2	37	15	140	4.8	25.1
わ	42.0	60.0	45.0	37.5	20.3	1.2	37	15	140	4.2	28.7
わ	57.0	45.0	25.0	52.5	12.7	1.2	17	28	280	20.8	5.8
わ	57.0	45.0	25.0	52.5	12.7	1.2	17	28	280	15.6	7.7
わ	57.0	45.0	25.0	52.5	12.7	1.2	17	28	280	12.5	9.6
わ	57.0	43.5	29.5	52.5	12.7	1.2	17	28	280	10.4	11.5
30.0	57.0	43.5	29.5	52.5	20.3	1.2	17	28	280	10.4	11.5
30.0	57.0	45.0	30.0	52.5	12.7	1.2	17	28	280	10.4	11.5
30.0	57.0	45.0	30.0	52.5	20.3	1.2	17	28	280	10.4	11.5
わ	57.0	50.0	35.0	52.5	20.3	1.2	17	28	280	8.9	13.5
40.0	57.0	50.0	35.0	52.5	20.3	1.2	17	28	280	7.8	15.4
45.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	6.9	17.3
50.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	6.2	19.2
55.0	57.0	55.0	45.0	52.5	20.3	1.2	17	28	280	5.7	21.1
わ	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	5.2	23.1
65.0	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	4.8	25.0
70.0	57.0	65.0	45.0	52.5	20.3	1.2	17	28	280	4.5	26.9

■ 技术参数 Technical data(mm)

C <sub>N</sub> (μF)	W ±1.0	H ±1.0	T ±1.0	P ±0.5	b ±0.5	d ±0.05	dV/dt (V/μs)	tanδ×(10 <sup>-3</sup> )		ESR @10kHz (mΩ)	I <sub>max</sub> (A)
								1kHz	10kHz		
0.68	32.0	20.0	11.0	27.5	-	0.8	80	8	70	80.0	1.7
1.0	32.0	20.0	11.0	27.5	-	0.8	80	8	70	59.4	2.2
1.5	32.0	22.0	13.0	27.5	-	0.8	80	8	70	55.7	2.4
2.0	32.0	25.0	13.0	27.5	-	0.8	80	8	70	27.9	4.7
わ 2.0	32.0	25.0	13.0	27.5	-	0.8	80	8	70	27.9	4.7
3.0	32.0	30.0	16.0	27.5	-	0.8	80	8	70	20.4	6.5
4.0	32.0	33.0	18.0	27.5	-	0.8	80	8	70	15.3	8.6
5.0	32.0	37.0	22.0	27.5	-	0.8	80	8	70	14.0	9.8
5.0	32.0	37.0	22.0	27.5	10.2	0.8	80	8	70	12.3	10.8
6.0	32.0	37.0	22.0	27.5	-	0.8	80	8	70	12.3	10.8
6.0	32.0	37.0	22.0	27.5	10.2	0.8	80	8	70	10.2	12.9
わ 3.0	41.0	30.0	16.0	37.5	-	1.0	40	15	130	48.3	2.5
わ 4.0	41.0	30.0	16.0	37.5	-	1.0	40	15	130	36.2	3.3
わ 4.7	41.0	33.5	18.5	37.5	-	1.0	40	15	130	30.8	3.9
5.0	41.0	33.5	18.5	37.5	-	1.0	40	15	130	29.0	4.1
わ 6.0	41.0	33.5	18.5	37.5	-	1.0	40	15	130	24.2	5.0
7.0	42.0	40.0	20.0	37.5	10.2	1.0	40	15	130	20.7	5.8
8.0	41.0	37.0	22.0	37.5	10.2	1.0	40	15	130	18.1	6.6
9.0	41.0	37.0	22.0	37.5	12.7	1.0	40	15	130	16.1	7.5
10.0	42.0	44.0	24.0	37.5	12.7	1.0	40	15	130	14.5	8.3
12.0	42.0	44.0	24.0	37.5	12.7	1.0	40	15	130	12.1	9.9
わ 12.0	42.0	44.0	24.0	37.5	-	1.0	40	15	130	14.0	8.6
14.0	42.0	45.0	30.0	37.5	-	1.2	40	15	130	10.4	11.6
15.0	42.0	45.0	30.0	37.5	12.7	1.2	40	15	130	9.7	12.4
15.0	42.0	45.0	30.0	37.5	20.3	1.2	40	15	130	9.7	12.4
わ 18.0	42.0	50.0	35.0	37.5	20.3	1.2	40	15	130	8.1	14.9
20.0	42.0	50.0	35.0	37.5	20.3	1.2	40	15	130	7.2	16.6
25.0	42.0	55.0	40.0	37.5	20.3	1.2	40	15	130	5.8	20.7
わ 30.0	42.0	60.0	45.0	37.5	20.3	1.2	40	15	130	4.8	24.8
わ 15.0	57.0	45.0	25.0	52.5	12.7	1.2	20	27	260	19.3	6.2
20.0	57.0	43.5	29.5	52.5	12.7	1.2	20	27	260	14.5	8.3
20.0	57.0	43.5	29.5	52.5	20.3	1.2	20	27	260	14.5	8.3
25.0	57.0	50.0	35.0	52.5	20.3	1.2	20	27	260	11.6	10.4
30.0	57.0	50.0	35.0	52.5	20.3	1.2	20	27	260	9.7	12.4
わ 35.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	8.4	14.3
40.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	7.8	15.5
わ 45.0	57.0	55.0	45.0	52.5	20.3	1.2	20	27	260	6.9	17.4
50.0	57.0	65.0	45.0	52.5	20.3	1.2	20	27	260	6.2	19.3
わ	57.0	65.0	45.0	52.5	20.3	1.2	20	27	260	5.6	21.3



## ■ 技术参数 Technical data(mm)

C <sub>N</sub> ( $\mu$ F)	W $\pm 1.0$	H $\pm 1.0$	T $\pm 1.0$	P $\pm 0.5$	b $\pm 0.5$	d $\pm 0.05$	dV/dt (V/ $\mu$ s)	tan $\delta \times (10^{-4})$		ESR @10kHz	I <sub>max</sub> (A)
								1kHz	10kHz		
1.0	32.0	20.0	11.0	27.5	-	0.8	90	7	55	39.5	3.5
2.0	32.0	24.5	15.0	27.5	-	0.8	90	7	55	26.3	5.0
3.0	32.0	30.0	16.0	27.5	-	0.8	90	7	55	17.5	7.5
4.0	32.0	33.0	18.0	27.5	-	0.8	90	7	55	13.9	9.5
5.0	32.0	37.0	22.0	27.5	-	0.8	90	7	55	12.7	10.4
5.0	32.0	37.0	22.0	27.5	10.2	0.8	90	7	55	11.1	11.8
3.0	41.0	30.0	16.0	37.5	-	1.0	45	13	100	37.2	3.2
4.0	41.0	30.0	16.0	37.5	-	1.0	45	13	100	27.9	4.3
5.0	41.0	33.5	18.5	37.5	-	1.0	45	13	100	22.3	5.4
6.0	42.0	40.0	20.0	37.5	-	1.0	45	13	100	18.6	6.5
わ 7.0	41.0	37.0	22.0	37.5	10.2	1.0	45	13	100	15.9	7.5
わ 8.0	42.0	44.0	24.0	37.5	12.7	1.0	45	13	100	13.9	8.6
わ 9.0	42.0	44.0	24.0	37.5	12.7	1.0	45	13	100	12.4	9.7
10.0	42.0	44.0	24.0	37.5	12.7	1.0	45	13	100	11.1	10.8
わ 12.0	42.0	45.0	30.0	37.5	12.7	1.2	45	13	100	9.3	12.9
わ 12.0	42.0	45.0	30.0	37.5	20.3	1.2	45	13	100	9.3	12.9
わ 15.0	42.0	50.0	35.0	37.5	20.3	1.2	45	13	100	7.4	16.1
わ 18.0	42.0	50.0	35.0	37.5	20.3	1.2	45	13	100	6.6	18.1
20.0	42.0	55.0	40.0	37.5	20.3	1.2	45	13	100	6.0	20.1
わ 25.0	42.0	60.0	45.0	37.5	20.3	1.2	45	13	100	4.8	25.1
わ 12.0	57.0	45.0	25.0	52.5	12.7	1.2	23	24	200	19.9	6.0
わ 15.0	57.0	45.0	25.0	52.5	12.7	1.2	23	24	200	15.9	7.5
わ 20.0	57.0	43.5	29.5	52.5	12.7	1.2	23	24	200	11.9	10.0
20.0	57.0	43.5	29.5	52.5	20.3	1.2	23	24	200	11.9	10.0
20.0	57.0	45.0	30.0	52.5	12.7	1.2	23	24	200	11.9	10.0
20.0	57.0	45.0	30.0	52.5	20.3	1.2	23	24	200	11.9	10.0
25.0	57.0	50.0	35.0	52.5	20.3	1.2	23	24	200	9.6	12.6
30.0	57.0	55.0	45.0	52.5	20.3	1.2	23	24	200	8.0	15.1
35.0	57.0	55.0	45.0	52.5	20.3	1.2	23	24	200	6.8	17.6
40.0	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	6.0	20.1
45.0	57.0	65.0	45.0	52.5	20.3	1.2	23	24	200	5.3	22.6