UZ 超低阻抗品 片式铝电解电容
Chip Type Aluminum Electrolytic Capacitors


表面安装


小型薄形品


低电阻品


耐清洗品


长寿命品



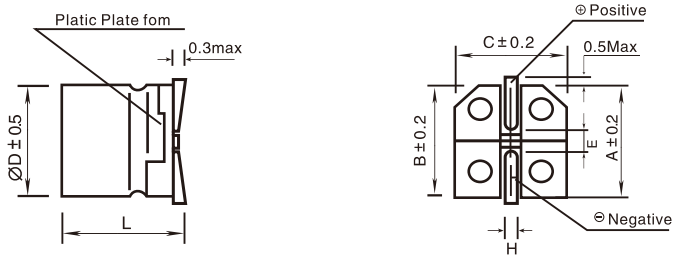
产品特点 Features

超低阻抗；适用–55℃~+105℃温度范围，寿命2, 000小时；性能稳定，可靠性高；产品直径：φ4mm~φ10mm
Ultra low impedance; –55℃ ~+105℃ temperature range, life 2000 hours; stable performance, high reliability
product diameter: φ4mm~φ10mm

■ 主要技术性能 Specifications

项目 Items	特 性 Characteristics
工作温度范围 Category Temperature Range	–55℃~+105℃
额定电压范围 Rated Voltage Range	6.3~35V.DC
标称电容量范围 Nominal Capacitance Range	4.7μF ~ 1500μF
标称电容量允许偏差 Nominal Capacitance Tolerance	±20%(120Hz,+20 ℃)
泄漏电流范围 Leakage Current(MAX)	I=0.01CV(μA) or 3 (μA) after 2 minutes I=Leakage Current(μA) C=Nominal Capacitance(μF) V=Roted Voltage(V)
损耗角正切值 Dissipation Factor(MAX) Tanδ (20℃,120Hz)	Rated Voltage(V): 6.3 / 10 / 16 / 25 / 35 Tanδ: 0.26 / 0.19 / 0.16 / 0.14 / 0.12
耐久性Load Life	+105℃施加额定工作电压2000H后, 放置16H, 电容器应满足以下要求。 After applying rated voltage with max ripple current for 2000hrs at 105℃,and then resumed 16 hours, the capacitors shall meet the following requirements Capacitance Change: ±30%初始值以内 Within ±30% of the initial value Dissipation Factor: ≤300%初始值以内 Not more than 300% of the specified value Leakage Current: ≤初始规定值 Not more than the specified value
高温贮存Shelf Life	+105℃, 贮存1000H后, 放置16H, 电容器应满足以下要求。 After storage for 1000hrs at 105℃, then resumed 16 hours, the capacitors shall meet the following requirements Capacitance Change: ±30%初始值以内 Within ±30% of the initial value Dissipation Factor: ≤300%初始值以内 Not more than 300% of the specified value Leakage Current: ≤200%初始值以内 Within 200% of initial specified value
耐焊接热 Resistance to Soldering Heat	在250℃的条件下, 电容器在热板上保持30秒, 然后从热板上取出电容器,让其在室温下恢复,电容器应满足以下要求。 The capacitors shall be kept on then hot plate maintained at 250℃ for 30 seconds.After removing from the hot plate and restored at room temperature, they meet the following requirement: Capacitance Change: ±10%初始值以内 Within ±10% of the initial value Dissipation Factor: ≤初始规定值 Not more than the initial specified value Leakage Current: ≤初始规定值 Not more than the initial specified value
低温特性及阻抗比 Low Temperature Stability Impedance Ratio (MAX) 120Hz	Roted Voltage (V): 6.3 / 10 / 16 / 25 / 35 Z–25℃/Z+20℃ (120Hz): 4 / 3 / 2 / 2 / 2 Z–55℃/Z+20℃ (120Hz): 8 / 5 / 4 / 3 / 3

■ 尺寸图 Dimensions



(Φ4~Φ10)

单位： mm

ΦD	L	A	B	C	E	H
4	5.4±0.3	5.0	4.3	4.3	1.0	0.5~0.9
5	5.4±0.3	6.0	5.3	5.3	1.5	0.5~0.9
6.3	5.4±0.3	7.2	6.6	6.6	2.1	0.5~0.9
6.3	7.7±0.3	7.2	6.6	6.6	2.1	0.5~0.9
8	10.2±0.5	9.1	8.3	8.3	3.1	0.8~1.1
10	10.2±0.5	11.1	10.3	10.3	4.5	0.8~1.1

■ 标准品一览表 Standard Size

WV	6.3			10			16			25			35		
μF壳号	D×Lmm	Ω	mA	D×Lmm	Ω	mA	D×Lmm	Ω	mA	D×Lmm	Ω	mA	D×Lmm	Ω	mA
4.7													4×5.4	1.35	90
10							4×5.4	1.35	90	4×5.4	1.35	90	5×5.4	0.70	160
22	4×5.4	1.35	90	4×5.4	1.35	90	5×5.4	0.70	160	5×5.4	0.70	160	6.3×5.4	0.36	240
33	4×5.4	1.35	90	5×5.4	0.70	160	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240
47	5×5.4	0.70	160	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240
68	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×7.7	0.32	290
100	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×7.7	0.32	290	8×10.2	0.16	600
150	6.3×5.4	0.36	240	6.3×5.4	0.36	240	6.3×7.7	0.32	290	8×10.2	0.16	600	10×10.2	0.16	600
220	6.3×5.4	0.36	240	6.3×7.7	0.32	290	6.3×7.7	0.32	290	8×10.2	0.16	600	10×10.2	0.08	850
330	6.3×7.7	0.32	290	8×10.2	0.16	600	8×10.2	0.16	600	8×10.2	0.16	600	10×10.2	0.08	850
470	8×10.2	0.16	600	8×10.2	0.16	600	8×10.2	0.16	600	10×10.2	0.08	850			
							10×10.2	0.08	850						
680	8×10.2	0.16	600	10×10.2	0.08		10×10.2	0.08	850						
1000	8×10.2	0.16	600	10×10.2	0.08	850									
1500	10×10.2	0.08	850			850									

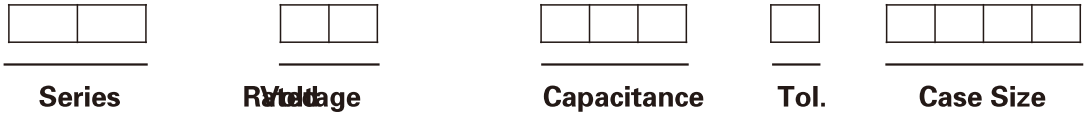
mA额定纹波电流 Rated ripple current(mA, 105℃, 100kHz)
Ω阻抗值 Impedance: (Ω，20℃，100kHz)

■ 纹波电流补正系数 /频率系数 Multiplier For Ripple Current / Frequency coefficient

频率 Frequency	50Hz	120Hz	300Hz	1kHz	≥10kHz
系数 Coefficient	0.64	0.5	0.64	0.83	1.0

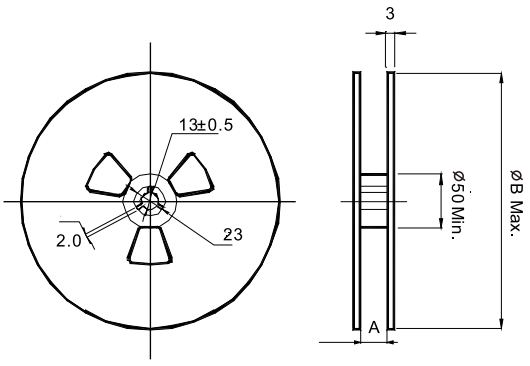
注：以上所提供的设计及特性参数仅供参考，任何修改不做预先通知，如在使用上有疑问，请在采购前与我们联络，以便提供技术上的协助。
Note: all designs and specifications are for reference only and are subject to change without prior notice, if any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

产品编码解析 Explanation of Part Number



Series	R.W Voltage (V)	Code	Capacitance (μ F)	Code	Cap.Tol	Code	Case Size	Code
RVT	4	0G	0.1	0R1	± 5	J	4*5.4	0405
RVE	6.3	0J	0.22	R22	± 10	K	5*5.4	0505
US	10	1A	0.33	R33	± 15	L	6.3*5.4	0605
UZ	16	1C	0.47	R47	± 20	M	6.3*7.7	0607
UN	25	1E	1	1R0	± 30	N	6.3*10. 2	0610
UH	35	1V	1.5	1R5	+ 20 - 10	V	8*6.5	0806
UL	50	1H	2.2	2R2	+ 20 - 5	H	8*10.2	0810
UV	63	1J	3.3	3R3	+ 10 - 20	C	8*12. 5	0812
UD	80	1K	4.7	4R7	+ 100 - 0	P	10*10.2	1010
UW	100	2A	5.6	5R6	+ 30 - 10	Q	10*12.5	1012
SF	160	2C	6.8	6R8	+ 20 - 0	R	10*13.5	1013
SH	200	2D	8.2	8R2	+ 50 - 10	T	12.5*13.5	1213
SL	250	2E	10	100	+ 75 - 10	U	12.5*16	1216
SR	350	2V	12	120	+ 40 - 20	X	16*16.5	1616
SS	400	2G	15	150	+ 50 - 20	S	16*21.5	1621
ST	450	2W	22	220	+ 80 - 20	Z	18*16.5	1816
SU	500	2H	33	330			18*21.5	1821
HS			47	470			20*16.5	2016
			56	560			20*21.5	2021
			68	680				
			100	101				
			220	221				
			330	331				
			470	471				
			560	561				
			680	681				
			820	821				
			1000	102				
			1500	152				
			2200	222				
			3300	332				
			4700	472				
			6800	682				

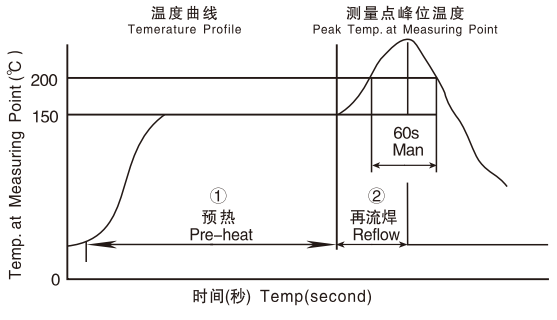
卷 筒 Taping Reel And Packing Quantity



规格 Specification	卷装数量 Quantity/Reel	盒装数量 Quantity/Bag	A ± 0.3 (MM)	B ± 2 (MM)
Φ4*5.4	2000 pcs	20000 pcs	14	382
Φ5*5.4	1000 pcs	10000 pcs	14	382
Φ6.3*5.4	1000 pcs	10000 pcs	18	382
Φ6.3*7.7	1000 pcs	10000 pcs	18	382
Φ6.3*10.2	700 pcs	7000 pcs	18	382
Φ8*6.5	1000 pcs	10000 pcs	18	382
Φ8*10.2	500 pcs	5000 pcs	26	382
Φ8*12.5	400 pcs	4000 pcs	26	382
Φ10*10.2	500 pcs	5000 pcs	26	382
Φ10*12.5	400 pcs	4000 pcs	26	382
Φ10*13.5	300 pcs	3000 pcs	26	382
Φ12.5*13.5	200 pcs	1600 pcs	34	382
Φ12.5*16	200 pcs	1600 pcs	34	382
Φ16*16.5	125 pcs	250 pcs	46	332
Φ16*21.5	75 pcs	150 pcs	46	332
Φ18*16.5	125 pcs	250 pcs	46	332
Φ18*21.5	75 pcs	150 pcs	46	332
Φ20*16.5	100 pcs	200 pcs	46	332
Φ20*21.5	50 pcs	100 pcs	46	332

焊接方法和再流焊允许范围 Soldering method and allowable range of the reflow

焊接方式 Soldering Method	再流焊的允许范围 Allowable Range of Reflow
热板再流焊 Hot-Plate Reflow	电容器端面上峰值温度 Peak temp.at capacitor Terminal(℃) 240 220 200 0 20 40 60 再流焊时间(秒) Reflow time(second)
红外线再流焊 Infrared-Ray Reflow	电容器端面上峰值温度 Peak temp.at capacitor Terminal(℃) 230 220 200 0 20 40 60 再流焊时间(秒) Reflow time(second)



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HONORCAP:

RVT1J4R7M0505 UV2E100M1010 GVT2A220M0607 HF1E107M0811PC RVE1H100M0605
HF1E567M0615PC HT1C158M0816PC HV1V476M0605PZ HG1V107M0607PC HG1V827M1016PC
HV1J226M0607PZ RVT1H220M0605 RVT1H331M1010 HF1C108M0615PC HG1H227M1016PC
HS0Q337M0508PC RVT1H2R2M0405 HT1B337M0509PC HT1C228M1016PC RVE1V221M1010
RVT1A101M0605 HS0J477M0508PC RVT1C470M0605 RVT1H1R0M0405 RVT1HR47M0405
HT0J827M0609PC HT1E128M1016PC RVE1E100M0405 HF1E477M1012PC RVT1C221M0607