

RVT series

■ 特性 Features

- 105°C2000H 标准品 105°C2000H standard
- 适用于高密度表面安装 Suitable for High-Density Surface Mounting
- 适用于回流焊 Suitable for reflow soldering



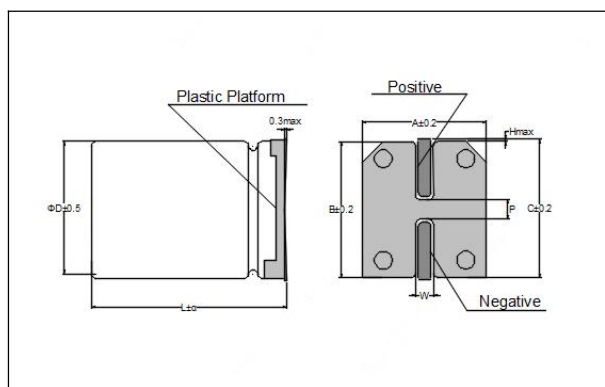
■ 仕様 Specifications

项目 Item	条件 Condition		性能 Performance							
使用温度范围 Operating Temperature Range	-		-40°C~+105°C							
额定电压范围 Rated Voltage Range	-		6.3~100V							
额定静容量范围 Rated Capacitance Range	-		1.0~1500μF							
额定静容量容许差 Capacitance Tolerance	120Hz, 20°C		±20%							
漏电流 Leakage current	施加额定电压 2 分钟后 After applying rated voltage for 2 minutes		$I \leq 0.01CV$ 或 $3\mu A$ (以较大值为准) $I \leq 0.01CV$ or $3\mu A$ (whichever is greater)							
额定电压 Rated Voltage(V)	-		6.3	10	16	25	35	50	63	100
损失角正切值 Dissipation Factor	120Hz, 20°C (Max.)	$\tan \delta$	0.30	0.24	0.20	0.16	0.14	0.14	0.14	0.14
		对于超过 1000μF 的产品, 每增加 1000μF, 其值便随之增加 0.02 For products exceeding 1000μF, the value increases by 0.02 per additional 1000μF.								
温度特性 Temperature Characteristics	阻抗率 Impedance Ratio(Max.)	$Z_{(-25^{\circ}C)}/Z_{(+20^{\circ}C)}$	4	3	2	2	2	2	2	3
		$Z_{(-40^{\circ}C)}/Z_{(+20^{\circ}C)}$	10	8	6	5	5	5	6	6
耐久性 Endurance	在 105°C 下, 连续施加额定电压 2000 小时后, 满足以下项目 Under 105°C, apply rated voltage for 2000 hours, The capacitors shall meet the following requirements.									
	静容量变化率 Capacitance Change	初始值的 ±30% 以内 ≤ ±30% of the initial value.								
	损失角正切值 Dissipation Factor	规格值 300% 以下 ≤ 300% of initial specified value.								
	漏电流 Leakage Current	规格值以下 ≤ Initial specified value.								

RVT series

尺寸图 Dimensions

(Unit: mm)

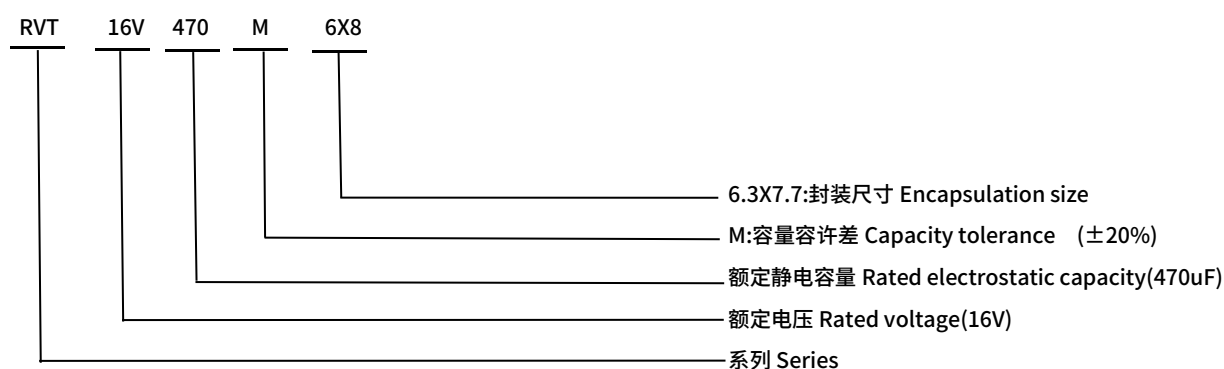


D	L	A	B	C	P	α	W
4	5.4	4.3	4.3	5.0	1.0	± 0.3	0.5-0.8
5	5.4	5.3	5.3	6.0	1.5	± 0.3	0.5-0.8
6.3	5.4	6.6	6.6	7.3	2.0	± 0.3	0.5-0.8
6.3	7.7	6.6	6.6	7.3	2.0	± 0.3	0.5-0.8
8.0	10.5	8.3	8.3	9.0	3.1	± 0.5	0.7-1.2
10.0	10.5	10.3	10.3	11.0	4.7	± 0.5	0.7-1.2

纹波电流速查表 Ripple Current Quick Reference Table:

频率 Freq.	50Hz	120Hz	300Hz	1kHz	10kHz Up
容值 Cap.					
1~10 μ F	0.60	1.0	1.15	1.25	1.40
22~1500 μ F	0.75	1.0	1.10	1.20	1.35

品号编码体系 Part Number Coding System (Example: 16V 470 μ F)



注释: 型号中 R 表示小数点, 如 4R7 表示 4.7 μ F

Note: "R" in the model number denotes a decimal point (e.g., 4R7 = 4.7 μ F)

RVT series

■ 电气特性 Electrical characteristics

额定电压 Rated Voltage(V)	额定静容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan δ	品号 Part Number
6.3	47	4X5	25	0.3	RVT6.3V47M4X5
	100	5X5	39	0.3	RVT6.3V100M5X5
	220	6X5	67	0.3	RVT6.3V220M6X5
	330	6X5	105	0.3	RVT6.3V330M6X5
	680	6X8	120	0.3	RVT6.3V680M6X8
	820	8X10	230	0.3	RVT6.3V820M8X10
	1000	8X10	230	0.3	RVT6.3V1000M8X10
10	22	4X5.4	21	0.24	RVT10V22M4X5
	22	5X5.4	26	0.24	RVT10V22M5X5
	33	4X5.4	23	0.24	RVT10V33M4X5
	33	5X5.4	34	0.24	RVT10V33M5X5
	47	5X5.4	31	0.24	RVT10V47M4X5
	47	6.3X5.4	42	0.24	RVT10V47M6X5
	100	5X5.4	40	0.24	RVT10V100M5X5
	100	6.3X5.4	55	0.24	RVT10V100M6X5
	150	6.3X5.4	65	0.24	RVT10V150M6X5
	220	6.3X5.4	69	0.24	RVT10V220M6X5
	220	6.3X7.7	110	0.24	RVT10V220M6X8
	330	6.3X7.7	108	0.24	RVT10V330M6X8
	470	6.3X7.7	120	0.24	RVT10V470M6X8
	470	8X10.5	214	0.24	RVT10V470M8X10
	470	10X10.5	266	0.24	RVT10V470M10X10
	680	8X10.5	210	0.24	RVT10V680M8X10
	680	10X10.5	277	0.24	RVT10V680M10X10
	1000	10X10.5	320	0.24	RVT10V1000M10X10
16	10	4X5.4	17	0.20	RVT16V10M4X5
	22	4X5.4	21	0.20	RVT16V22M4X5
	22	5X5.4	28	0.20	RVT16V22M5X5
	33	5X5.4	29	0.20	RVT16V33M5X5
	33	6.3X5.4	45	0.20	RVT16V33M6X5
	47	5X5.4	33	0.20	RVT16V47M5X5
	47	6.3X5.4	48	0.20	RVT16V47M6X5
	100	5X5.4	39	0.20	RVT16V100M5X5

RVT series

额定电压 Rated Voltage(V)	额定静容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan δ	品号 Part Number
16	100	6.3X5.4	63	0.20	RVT16V100M6X5
	100	6.3X7.7	93	0.20	RVT16V100M6X8
	150	6.3X7.7	100	0.20	RVT16V150M6X8
	220	6.3X7.7	110	0.20	RVT16V220M6X8
	220	8X6.5	110	0.20	RVT16V220M8X6
	330	6.3X7.7	105	0.2	RVT16V330M6X8
	330	8X10.5	201	0.20	RVT16V330M8X10
	470	6.3X7.7	145	0.20	RVT16V470M6X8
	470	8X10.5	240	0.20	RVT16V470M8X10
	470	10X10.5	300	0.20	RVT16V470M10X10
	680	8X10.5	210	0.20	RVT16V680M8X10
	680	10X10.5	322	0.20	RVT16V680M10X10
	1000	10X10.5	347	0.20	RVT16V1000M10X10
25	4.7	4X5.4	14	0.16	RVT25V4R7M4X5
	10	4X5.4	15	0.16	RVT25V10M4X5
	10	5X5.4	21	0.16	RVT25V10M5X5
	22	5X5.4	26	0.16	RVT25V22M5X5
	22	6.3X5.4	37	0.16	RVT25V22M6X5
	33	5X5.4	30	0.16	RVT25V33M5X5
	33	6.3X5.4	45	0.16	RVT25V33M6X5
	47	5X5.4	31	0.16	RVT25V47M5X5
	47	6.3X5.4	49	0.16	RVT25V47M6X5
	47	8X6.5	93	0.16	RVT25V47M8X6
	68	6.3X5.4	55	0.16	RVT25V68M6X5
	100	6.3X5.4	60	0.16	RVT25V100M6X5
	100	6.3X7.7	93	0.16	RVT25V100M6X8
	100	8X6.5	93	0.16	RVT25V100M8X6
	150	6.3X7.7	100	0.16	RVT25V150M6X8
	180	6.3X7.7	100	0.16	RVT25V180M6X8
	220	6.3X7.7	183	0.16	RVT25V220M6X8
	220	8X10.5	230	0.16	RVT25V220M8X10
	330	10X10.5	228	0.16	RVT25V330M10X10
	330	10X10.5	248	0.16	RVT25V330M10X10
	470	8X10.5	230	0.16	RVT25V470M8X10
	470	10X10.5	286	0.16	RVT25V470M10X10

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35	3.3	4X5.4	14	0.14	RVT35V3R3M4X5
	4.7	4X5.4	15	0.14	RVT35V4R7M4X5
	10	4X5.4	15	0.14	RVT35V10M4X5
	10	5X5.4	22	0.14	RVT35V10M5X5
	22	5X5.4	28	0.14	RVT35V22M5X5
	22	6.3X5.4	40	0.14	RVT35V22M6X5
	33	6.3X5.4	45	0.14	RVT35V33M6X5
	33	8X6.5	86	0.14	RVT35V33M8X6
	47	6.3X5.4	54	0.14	RVT35V47M6X5
	47	6.3X7.7	75	0.14	RVT35V47M6X8
	68	6.3X7.7	80	0.14	RVT35V68M6X8
	100	6.3X5.4	60	0.14	RVT35V100M6X5
	100	6.3X7.7	87	0.14	RVT35V100M6X8
	100	6.3X7.7	125	0.14	RVT35V100M8X10
	120	6.3X7.7	91	0.14	RVT35V120M6X8
	150	8X10.5	158	0.14	RVT35V150M8X10
	220	6.3X7.7	190	0.14	RVT35V220M6X8
	220	8X10.5	195	0.14	RVT35V220M8X10
	220	10X10.5	230	0.14	RVT35V220M10X10
	330	10X10.5	247	0.14	RVT35V330M10X10
	470	10X10.5	286	0.14	RVT35V470M10X10
50	1.0	4X5.4	8	0.14	RVT50V1M4X5
	2.2	4X5.4	12	0.14	RVT50V2R2M4X5
	3.3	4X5.4	14	0.14	RVT50V3R3M4X5
	4.7	4X5.4	14	0.14	RVT50V4R7M4X5
	4.7	5X5.4	17	0.14	RVT50V4R7M5X5
	10	5X5.4	17	0.14	RVT50V10M5X5
	10	6.3X5.4	25	0.14	RVT50V10M6X5
	22	6.3X5.4	43	0.14	RVT50V22M6X5
	22	6.3X5.4	52	0.14	RVT50V22M6X5
	33	6.3X7.7	63	0.14	RVT50V33M6X8
	47	6.3X5.4	50	0.14	RVT50V47M6X5
	47	6.3X7.7	66	0.14	RVT50V47M6X8
	47	8X10.5	125	0.14	RVT50V47M8X10
	100	6.3X7.7	80	0.14	RVT50V100M6X8

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额定电压 Rated Voltage(V)	额定静电容量 Rated Capacitance(μF)	铝壳尺寸 Case Size Φ DXL(mm)	额定纹波电流 Rated Ripple Current (mA,105°C,120Hz)	损失角正切值 tan δ	品号 Part Number
50	100	8X10.5	146	0.14	RVT50V100M8X10
	100	10X10.5	178	0.14	RVT50V100M10X10
	150	10X10.5	178	0.14	RVT50V150M10X10
	220	10X10.5	230	0.14	RVT50V220M10X10
	330	10X10.5	247	0.14	RVT50V330M10X10
63	3.3	5X5.4	14	0.14	RVT63V3R3M5X5
	4.7	5X5.4	17	0.14	RVT63V4R7M5X5
	4.7	6.3X5.4	22	0.14	RVT63V4R7M6X5
	10	6.3X5.4	26	0.14	RVT63V10M6X5
	10	6.3X7.7	41	0.14	RVT63V10M6X8
	22	6.3X5.4	28	0.14	RVT63V22M6X5
	22	6.3X7.7	53	0.14	RVT63V22M6X8
	22	8X10.5	100	0.14	RVT63V22M8X10
	33	6.3X7.7	60	0.14	RVT63V33M6X8
	33	8X10.5	116	0.14	RVT63V33M8X10
	47	6.3X7.7	63	0.14	RVT63V47M6X8
	47	8X10.5	125	0.14	RVT63V47M8X10
	47	10X10.5	168	0.14	RVT63V47M10X10
	100	10X10.5	200	0.14	RVT63V100M10X10
	220	10X10.5	230	0.14	RVT63V220M10X10
100	2.2	6.3X5.4	15	0.14	RVT100V2R2M6X5
	3.3	6.3X5.4	22	0.14	RVT100V3R3M6X5
	4.7	6.3X5.4	23	0.14	RVT100V4R7M6X5
	4.7	6.3X7.7	38	0.14	RVT100V4R7M6X8
	10	6.3X5.4	38	0.14	RVT100V10M6X5
	10	6.3X7.7	38	0.14	RVT100V10M6X8
	10	8X10.5	80	0.14	RVT100V10M8X10
	22	6.3X7.7	35	0.14	RVT100V22M6X8
	22	8X10.5	90	0.14	RVT100V22M8X10
	22	10X10.5	129	0.14	RVT100V22M10X10
	33	10X10.5	136	0.14	RVT100V33M10X10
	47	10X10.5	148	0.14	RVT100V47M10X10