

WEU

寿命：螺丝端子型105℃ 5,000小时
Load Life: Screw Terminal Type 105℃ 5,000hours

规格表 SPECIFICATIONS

项目 Item	性能 Performance	
工作温度范围 Category Temperature Range	-25 ~ 105℃	
额定电压范围 Rated Voltage Range	350 ~ 500V.DC	
静电容量允许偏差 Electrostatic Capacitance Tolerance	± 20% (20℃, 120Hz)	
漏电流 Leakage Current	I ≤ 0.02CV or 5mA (5分钟值) (5minutes)	
	I=漏电流 V=额定电压	Leakage Current (μA) Rated Voltage (V) C=静电容量 Electrostatic Capacitance (μF)
损耗角正切值 Dissipation Factor	尺寸标准一览表 The value in the size table	
温度特性 / 阻抗比 Temperature Stability / Impedance Ratio	静电容量变化率 Electrostatic Capacitance Change (120Hz) C(-25℃)/C(+20℃) ≥ 0.7	
耐久性 Endurance	在105℃的环境中, 在不超过额定电压的范围内重叠印加规定的额定纹波电流5,000小时后应符合下列要求。 After 5,000 hour life test at 105℃ with rated voltage and ripple current, the capacitors shall meet the following requirements .	
	静电容量变化率 Electrostatic Capacitance Change	初始值的 ± 20% ± 20% of the initial value
	损耗角正切值 Dissipation Factor	初始值的200% 200% of the initial value
	漏电流 Leakage Current	初始规格值 The initial specification value
高温无负荷特性 Shelf Life	经过1000个小时的保质寿命试验105℃,然后在20℃保存。经过预处理后 (JIS C 5102规范4.4), 电容器应符合下列要求。 After 1000 hour shelf life test at 105℃, then stored at 20℃. And after pre-treatment (JIS C 5102 4.4), the capacitors shall meet the following requirements.	
	静电容量变化率 Electrostatic Capacitance Change	初始值的 ± 20% ± 20% of the initial value
	损耗角正切值 Dissipation Factor	初始值的200% 200% of the initial value
	漏电流 Leakage Current	初始规格值 The initial specification value

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寿命: 螺丝端子型 105°C 5,000小时
Load Life: Screw Terminal Type 105°C 5,000hours

■ 纹波电流修正系数 / CORRECTION COEFFICIENT FOR RIPPLE CURRENT

1. 频率系数 Frequency Coefficient

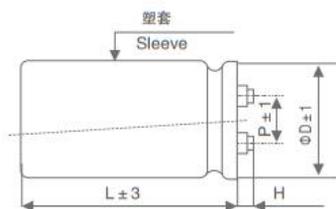
频率 Frequency	60 (50)	120	500	1K	≥10K
400-550V.DC	0.70	1.00	1.10	1.30	1.40

2. 周围温度系数 Temperature Coefficient

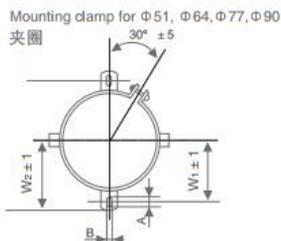
周围温度 (°C) Ambient Temperature	40	60	85	105
系数 Coefficient	2.4	2.1	2.0	1.0

■ 尺寸图 / DIMENSIONS

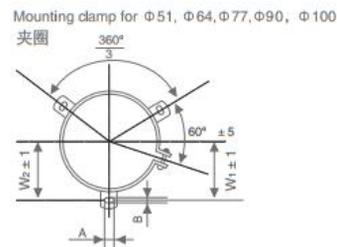
标准端子
Standard terminal type



ΦD	P
36	12.7
51	21.8
64	28.2
77	31.4
90	31.4
100	41.5



ΦD	A	B	W1	W2
51	7	5	34.5	40.0
64	7	5	40.0	46.0
77	7	5	46.8	53.0
90	7	5	54.0	60.3



ΦD	A	B	W1	W2
51	7	4.5	31.8	36.5
64	7	4.5	38.1	42.5
77	7	4.5	44.5	49.0
90	7	4.5	50.8	55.6
100	8	6	57.5	65.0

■ 产品代码规则 / PRODUCT CODE SYSTEM

□□□ WAS □□□ M □□□□ Y 2 5 B



WEU

标准品一览表、额定纹波电流

TYPICAL DIMENSIONS, RATED RIPPLE CURRENT

V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 3mm	纹波电流 Arms/105°C Ripple current Arms/105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No	V.DC	Cpa (uF)	外壳尺寸 Case Size φD ± 1 × L ± 3mm	纹波电流 Arms/105°C Ripple current Arms/105°C, 120Hz	损耗角正切值 (20°C, 120赫兹) Dissipation factor (20°C, 120Hz)	产品型号 Part No
350	2,700	64 × 100	8.5	0.15	350WEU272M64100Y25B	450	1,800	51 × 125	7.0	0.15	450WEU182M51125Y25B
	3,300	64 × 115	10.1	0.15	350WEU332M64115Y25B		1,800	64 × 100	6.8	0.15	450WEU182M64100Y25B
	3,900	64 × 130	11.7	0.15	350WEU392M64130Y25B		2,200	64 × 100	7.7	0.15	450WEU222M64100Y25B
	4,700	64 × 155	13.4	0.15	350WEU472M64155Y25B		2,200	64 × 130	8.2	0.15	450WEU222M64130Y25B
	4,700	77 × 115	13.0	0.15	350WEU472M77115Y25B		2,700	64 × 115	9.1	0.15	450WEU272M64115Y25B
	5,600	77 × 130	16.1	0.15	350WEU562M77130Y25B		2,700	64 × 155	9.4	0.15	450WEU272M64155Y25B
	5,600	90 × 115	15.5	0.15	350WEU562M90115Y25B		2,700	77 × 115	10.3	0.15	450WEU272M77115Y25B
	6,800	77 × 155	18.7	0.15	350WEU682M77155Y25B		3,300	64 × 130	10.7	0.15	450WEU332M64130Y25B
	6,800	90 × 130	18.5	0.15	350WEU682M90130Y25B		3,300	77 × 130	12.7	0.15	450WEU332M77130Y25B
	8,200	90 × 155	21.9	0.15	350WEU822M90155Y25B		3,900	64 × 155	12.0	0.15	450WEU392M64155Y25B
10,000	90 × 155	24.8	0.15	350WEU103M90155Y25B	3,900	77 × 115	11.9	0.15	450WEU392M77115Y25B		
400	2,200	64 × 100	7.7	0.15	400WEU222M64100Y25B	3,900	77 × 155	13.7	0.15	450WEU392M77155Y25B	
	2,200	64 × 115	8.1	0.15	400WEU222M64115Y25B	3,900	90 × 115	13.4	0.15	450WEU392M90115Y25B	
	2,700	64 × 100	8.5	0.15	400WEU272M64100Y25B	4,700	77 × 130	14.7	0.15	450WEU472M77130Y25B	
	2,700	64 × 115	9.1	0.15	400WEU272M64115Y25B	4,700	77 × 155	18.2	0.15	450WEU472M77155Y25B	
	3,300	64 × 115	10.1	0.15	400WEU332M64115Y25B	4,700	90 × 115	15.4	0.15	450WEU472M90115Y25B	
	3,300	64 × 130	10.7	0.15	400WEU332M64130Y25B	4,700	90 × 130	18.8	0.15	450WEU472M90130Y25B	
	3,900	64 × 130	11.7	0.15	400WEU392M64130Y25B	5,600	77 × 155	18.3	0.15	450WEU562M77155Y25B	
	3,900	64 × 155	12.0	0.15	400WEU392M64155Y25B	5,600	90 × 130	18.8	0.15	450WEU562M90130Y25B	
	3,900	77 × 115	11.9	0.15	400WEU392M77115Y25B	5,600	90 × 155	20.2	0.15	450WEU562M90155Y25B	
	4,700	64 × 155	13.4	0.15	400WEU472M64155Y25B	6,800	90 × 155	21.7	0.15	450WEU682M90155Y25B	
	4,700	77 × 115	13.0	0.15	400WEU472M77115Y25B	500	1,800	64 × 100	6.8	0.15	500WEU182M64100Y25B
	4,700	77 × 130	14.7	0.15	400WEU472M77130Y25B		2,200	64 × 130	8.2	0.15	500WEU222M64130Y25B
	4,700	90 × 115	15.4	0.15	400WEU472M90115Y25B		2,700	64 × 155	9.4	0.15	500WEU272M64155Y25B
	5,600	77 × 130	16.1	0.15	400WEU562M77130Y25B		2,700	77 × 115	10.3	0.15	500WEU272M77115Y25B
	5,600	90 × 115	15.5	0.15	400WEU562M90115Y25B		3,300	77 × 130	12.7	0.15	500WEU332M77130Y25B
	5,600	77 × 155	18.3	0.15	400WEU562M77155Y25B		3,900	77 × 155	13.7	0.15	500WEU392M77155Y25B
	5,600	90 × 130	18.8	0.15	400WEU562M90130Y25B		3,900	90 × 115	13.4	0.15	500WEU392M90115Y25B
	6,800	77 × 155	18.7	0.15	400WEU682M77155Y25B		4,700	77 × 155	18.2	0.15	500WEU472M77155Y25B
6,800	90 × 155	18.5	0.15	400WEU682M90130Y25B	4,700		90 × 130	18.8	0.15	500WEU472M90130Y25B	
8,200	90 × 155	21.9	0.15	400WEU822M90155Y25B	5,600		90 × 155	20.2	0.15	500WEU562M90155Y25B	
10,000	90 × 155	24.8	0.15	400WEU103M90155Y25B	6,800	90 × 175	22.0	0.15	500WEU682M90175Y25B		
10,000	90 × 175	25.7	0.15	400WEU103M90175Y25B							

●重要说明 Important note

- ◆KAOUNE并不了解每一个客户对产品的应用，也不比客户更了解他们对产品的应用。因此，客户负有最终的责任，根据其整机电路参数选择适合其的KAOUNE产品，并根据KAOUNE产品参数判定其是否适用。
- ◆我们也毫不避讳地指出，即使在正常的应用条件下无源电子元器件仍有可能在使用寿命结束前出现故障或失效。这在目前的技术水平下是无法完全排除的。因此，对于操作安全水平要求非常高的应用场合，特别是当无源电子元器件出现故障时可能会危及人身安全或健康的情况下，客户必须适当设计其应用装置或由客户采取措施（如安全保护性电路或冗余），确保在无源电子元件出现故障时，第三方不会受到伤害或损害。
- ◆我们的工程师持续不断地致力于改善产品。因此，本出版物所述产品可能会发生变化。所以，订货之前或订货的时候请咨询我们的销售工程师本出版物的产品说明和规格在多大程度上是适用的。我们保留产品尺寸及技术参数发生变更的权利。因此，我们不保证任何时候均可购买到本出版物所列全部产品。
- ◆由于客户的应用领域、安装尺寸、回路参数要求千差万别，对于同一电压同一容值的电容器亦是如此。因此，建议在订货前尽可能详尽地提供您所要求的信息，包括但不限于电压、容值、外形尺寸、安装尺寸及本出版物中《订货信息一览表》中所列明的项目。
- ◆KAOUNE do not understand each client on the application of the product, nor more than customers about their products. Customers have the ultimate responsibility to select suitable KAOUNE products for their whole circuit parameters, and under KAOUNE products parameters determine its applicability.
- ◆We also forthrightly pointed out that even in normal conditions of passive electronic components, it is still will failure or breakdown before the end of its useful life. And it cannot be completely excluded in the current level of technology. Therefore, requires a high level of operational safety applications, especially when passive electronic components failure could endanger the personal safety or health of the case, The customer must be properly designed appliance or measures taken by the customer (such as security protective circuitry or redundancy), to ensure when the failure in the passive electronic components, the third party will not harm or damage.
- ◆KAOUNE engineers constantly committed to improve the product. Therefore, the publication of the product may change. Therefore, please consult our sales engineer before order. We reserve the right to change the product dimensions and technical parameters. Therefore, we cannot guarantee that at any time can be purchased to the publications listed all products.
- ◆Due to the customer's applications, installation size, circuit parameters requirements vary widely, as well as the same capacitor values for the same voltage. Therefore, we suggest that provide requested information as much details as possible before order, including but not limited to voltage, capacitance, dimensions, installation size and the other parameters items of order information.

● 敬告和警告 Warning



- ◆ 电容器经过耐压测试后或退出运行后，其上存储的能量足以对人身造成伤害。因此，在接触电容器出线端子之前必须首先经过电阻放电、再短接引出端子，确保残存电荷泄放掉。
- ◆ 金属化薄膜介质电容器不应过多直接短路放电。短路放电试验属于型式试验项目，做过型式试验的产品不宜再正常使用。
- ◆ 进行耐压测试会对其绝缘造成损害，且该损害具备累积效应。
- ◆ 电容器与电路的连接应可靠，避免接触不良引起高频振荡造成电容器过压或过热。
- ◆ 避免电容器暴露于强酸、强碱及其他腐蚀性介质的环境中运行。
- ◆ 避免电容器在充满易燃易爆的气体或尘埃的环境中运行。
- ◆ 避免外部能量传导到电容器内部，如火、热、雷电。
- ◆ 避免电容器过温运行。
- ◆ 避免电容器异常过载。
- ◆ 避免核辐射。

- ◆ After resistant voltage test or out of operation, the capacitor stored energy is sufficient to cause the damage to the human. Therefore, in contact with the capacitor outlet terminals must discharge through the resistor first, and then short-circuited lead terminal, ensure that the residual charge of release.
- ◆ Metalized film dielectric capacitors should not over discharge to the short circuit. Short circuit discharge test are type of pilot projects, the test products are not appropriate to normal use.
- ◆ Excessive resistant voltage capacitor test will damage the insulation, and the damage has a cumulative effect.
- ◆ The capacitor circuit connection should be reliable, to avoid capacitor overvoltage or overheating by high-frequency oscillation because of poor contact.
- ◆ Avoid capacitor is exposed to strong acid, alkali and other corrosive medium environment operate.
- ◆ Avoid the capacitor filled with flammable and explosive gas or dust environment operate.
- ◆ Avoid external energy transmitted to the capacitor internal, such as fire, heat, electricity.
- ◆ Avoid capacitor operate over-temperature.
- ◆ Avoid capacitor abnormal overload.
- ◆ Avoid nuclear radiation.