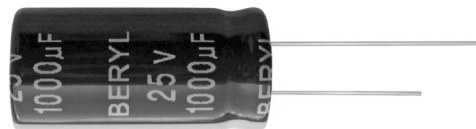


ME Series

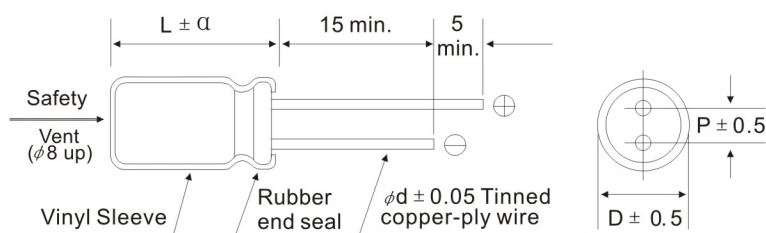
- 105°C High-temperature resistance, Standard Product
- RoHS Compliant



规格表 SPECIFICATIONS

項目 Items	特性参数 Characteristics	
使用温度范围 Category Temperature Range	-40 ~ +105°C (6.3 ~ 400V)	-25 ~ +105°C (450V~600V)
额定工作电压范围 Rated Voltage Range	6.3 ~ 600V	
静电容量允许偏差 Capacitance Tolerance	±20% (at 20°C, 120Hz)	
漏电流 Leakage Current	6.3~100V	
	160~450V	
	Time	After 1minute 1分钟读数
	After 5minutes 5分钟读数	
I ≤ 0.03CV or 4uA, which is greater after application of rated Voltage for 1 minute . 施加额定工作电压1分钟后读数，二者取大值	CV ≤ 1000	I ≤ 0.1CV+40
	CV > 1000	I ≤ 0.04CV+100
I:漏电流 (µA)、C: 静电容量 (µF)、额定电压 (V)		
损耗角正切值 tan δ Dissipation Factor	Rated voltage(V)	6.3 10 16 25 35 50 63 100 160~250 350~400 450 600
	tan (Max)	0.34 0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.24 0.24 0.24
标称容量超过1000µ F则每增加1000µ F,损耗角正切值增加0.02 When nominal capacitance Exceeds 1000µF, add 0.02 to the value above for each 1000µF Increase. (at 20°C, 120Hz)		
低温特性 Low temperature Characteristics (Max. Impedance Ratio)	电容器低温阻抗比值，不应超过下表所列出的值 impedance ratio values must not exceed values listed in below table (120Hz)	
	Rated voltage (V)	6.3 10 16 25 35 50 63 100 160 ~ 250 350 ~ 400 450 600
	Z(-25°C)/Z(+20°C)	5 4 3 2 2 2 2 2 3 6 6 6
	Z(-40°C)/Z(+20°C)	12 10 8 5 4 3 3 3 4 6 - -
耐久性 Endurance	105°C施加额定工作电压和额定纹波电流1000小时 (额定工作电压 ≥ 160V或壳号 ≥ Φ 13的产品,为2000小时) 经恢复到20°C后，测试性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20°C after application of rated voltage with rated ripple current for 1000 hours at 105°C (2000 hours to meet the following two conditions ≥ 160V, or ≥ Φ 13 at 105°C.).	
	Capacitance change	≤ ± 20% of the initial value
	D.F. (tan δ)	≤ 200% of the specified value
	Leakage current	≤ The specified value
高温储存特性 Shelf Life	105°C存放1000小时，恢复到20°C后，产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.	
	Rated voltage	6.3 ~ 100V 160 ~ 600V
	capacitance change	≤ ± 20% of the initial value
	D.F. (tan δ)	≤ 200% of the specified value
	Leakage current	≤ 500% of the specified value

外形图 DIMENSIONS (mm)



ΦD	5	6.3	8	10	13	16	18	20	22
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10	10
φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

ME Series

■ 尺寸与最大纹波电流一览表 STANDARD RATINGS

WV(V) Cap(μF)	6.3(0J)		10(1A)		16(1C)		25(1E)		35(1V)		50(1H)		63(1J)		100(2A)							
0.1											5x11	1.4	5x11	1.4	5x11	1.4						
0.22											5x11	3.0	5x11	3.0	5x11	3.0						
0.33											5x11	4.4	5x11	4.4	5x11	4.4						
0.47											5x11	6.5	5x11	6.5	5x11	6.5						
1.0											5x11	13	5x11	13	5x11	13						
2.2											5x11	21	5x11	21	5x11	21						
3.3											5x11	25	5x11	25	5x11	25						
4.7											5x11	30	5x11	30	5x11	30						
10											5x11	42	5x11	42	6.3x11	55						
22											5x11	65	5x11	65	8x12	94						
33											5x11	90	6.3x11	105	8x12	130						
47																						
100													5x11	85	5x11	85	6.3x11	112	6.3x11	112	10x13	165
220	5x11	145	6.3x11	175	6.3x11	175	8x12	232	8x12	232	10x13	305	10x16	340	13x25	445						
330	6.3x11	190	6.3x11	190	8x12	263	8x12	263	10x13	355	10x16	410	10x20	520	16x26	540						
470	6.3x11	235	8x12	255	8x12	255	10x13	385	10x16	465	10x20	535	13x20	640	16x32	720						
1,000	8x12	380	10x13	465	10x16	555	10x20	685	13x20	820	13x25	950	16x26	935	18x45	990						
2,200	10x20	720	10x20	720	13x20	925	13x25	1,095	16x26	1,265	16x35	1,470										
3,300	10x20	845	13x20	1,010	13x25	1,180	16x26	1,410	16x35	1,620	18x36	1,780										
4,700	13x20	1,095	13x25	1,261	16x26	1,490	16x32	1,720	18x36	1,920												
6,800	13x25	1,350	16x26	1,573	16x32	1,785	18x36	2,050														
10,000	16x26	1,655	16x35	1,890	18x36	2,070																
15,000	16x35	2,020	18x36	2,190																		
22,000	18x40	2,360																				

Case size ΦDxL (mm)
ripple current (mA rms) at 105°C, 120Hz

WV(V) Cap(μF)	160(2C)		200(2D)		250(2E)		350(2V)		400(2G)		450(2W)		600(2J)					
0.47											10x13	10						
1.0											6.3x11	15	6.3x9	16	10x13	14		
2.2											6.3x9	18	8x12	27	6.3x9	18	10x13	23
3.3	6.3x11	29	6.3x11	29	8x12	32	10x13	38	6.3x12	30	10x16	32						
4.7	6.3x11	35	8x12	40	8x12	40	10x16	51	8x9	42	10x20	42						
10	10x13	66	10x16	75	10x16	75	10x20	82	8x12	61	13x20	65						
22	10x20	120	10x20	120	13x20	130	13x20	130	10x25	145	16x26	120						
33	10x20	150	13x20	160	13x20	160	16x26	200	10x40	180	16x32	160	20x32	310				
39											10x40	205						
47	13x20	195	13x20	195	13x25	215	16x26	235	10x50	210	16x35	190	22x32	335				
100	16x26	340	16x26	340	16x32	365	18x32	378	13x50	355								
220	16x32	540	18x36	580	18x40	590												
330	18x36	710																

■ 纹波电流修正系数 RATED RIPPLE CURRENT COEFFICIENT

● 频率系数 Frequency Coefficient

Frequency(Hz)	50	120	300	1k	10k	100k
Capacitance (μ F)						
0.1 ~ 4.7	0.65	1.00	1.35	1.75	2.30	2.50
10 ~ 47	0.75	1.00	1.25	1.50	1.75	1.80
100 ~ 1,000	0.80	1.00	1.15	1.30	1.40	1.50
2,200 ~ 22,000	0.85	1.00	1.03	1.05	1.08	1.08