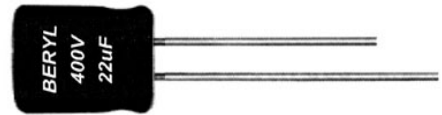


ME Series

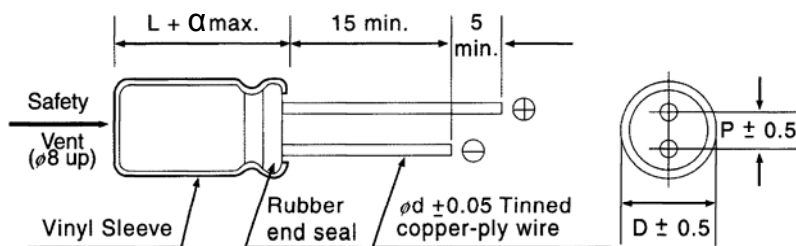
- 105°C high-temperature resistance, Standard Product
- RoHS Compliant



规格表 SPECIFICATIONS

项目 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)						
额定工作电压范围 Rated Voltage Range	6.3 ~ 450V												
电容量允许偏差 Capacitance Tolerance	±20% (at 20 °C, 120Hz)												
漏电流 Leakage Current	6.3 ~ 100V						160 ~ 450V						
	I=0.03CV or 4µA, Whichever is greater.						Time		After 1minute		After 5minutes		
	after 1 minute.						CV		1分钟读数 (20 °C)		5分钟读数 (20 °C)		
	2分钟读数, 二者取较大值 (20 °C)						CV ≤ 1000		I=0.1CV+40		I=0.03CV+15		
						CV > 1000		I=0.04CV+100		I=0.02CV+25			
Where, I : Max.leakage current(µA), C:Nominal capacitance(µF), V:Rated voltage(V)													
损耗角正切值 tanδ Dissipation Factor	Rated voltage(V)	6.3	10	16	25	35	50	63	100	160 ~ 250	350 ~ 400	450	
	tanδ(Max)	0.34	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.24	0.24	
标称容量超过1000uF, 则每增加1000uF, 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120HZ下的阻抗比值下不应超过下表所列出的值												
	Rated voltage(V)	6.3	10	16	25	35	50	63	100	160 ~ 250	350 ~ 400	450	
	Z(-25°C)/Z(+20°C)	5	4	3	2	2	2	2	2	3	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2000小时, 经恢复后 The following specifications shall be satisfied when the capacitors are restored to 20 °C after subjected to DC voltage with the rated ripple current is applied for 1000hours(2000 hours to meet the following two conditions ≧160V, and ≧13Φ at 105 °C.												
	Capacitance change	≧ ±20% of the initial value											
	D.F.(tanδ)	≧ 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, 经恢复后 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 ~ 450V					
	capacitance change	≧ ±20% of the initial value						≧ ±20% of the initial value					
	D.F.(tanδ)	≧ 200% of the specified value						≧ 200% of the specified value					
	Leakage current	≧ The specified value						≧ 500% of the specified value					

外形图 DIMENSIONS(mm)



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

α	(L < 20) 1.0
	(L ≧ 20) 2.0

■ 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	1.5	5x11	1.6						
0.22											5x11	3.0	5x11	3.3	5x11	3.5						
0.33											5x11	4.4	5x11	4.8	5x11	5.0						
0.47											5x11	6.5	5x11	6.8	5x11	7.0						
1.0											5x11	13	5x11	14	5x11	15						
2.2											5x11	21	5x11	21.5	5x11	22						
3.3											5x11	25	5x11	26	5x11	30						
4.7											5x11	30	5x11	31	5x11	32						
10											5x11	42	5x11	47	6.3x11	55						
22											5x11	65	5x11	72	8x12	94						
33											5x11	90	6.3x11	105	8x12	130						
47																						
100													5x11	85	5x11	95	6.3x11	112	6.3x11	120	10x13	165
220	5x11	145	6.3x11	175	6.3x11	185	8x12	232	8x12	275	10x13	305	10x16	340	13x25	445						
330	6.3x11	190	6.3x11	205	8x12	263	8x12	315	10x13	355	10x16	410	10x20	520	16x25	540						
470	6.3x11	235	8x12	255	8x12	300	10x13	385	10x16	465	10x20	535	13x20	640	16x31.5	720						
1,000	8x12	380	10x13	465	10x16	555	10x20	685	13x20	820	13x25	950	16x25	935	18x40	990						
2,200	10x20	720	10x20	762	13x20	925	13x25	1,095	16x25	1,265	16x35.5	1,470										
3,300	10x20	845	13x20	1,010	13x25	1,180	16x25	1,410	16x35.5	1,620	18x35.5	1,780										
4,700	13x20	1,095	13x25	1,261	16x25	1,490	16x31.5	1,720	18x35.5	1,920												
6,800	13x25	1,350	16x25	1,573	16x31.5	1,785	18x35.5	2,050														
10,000	16x25	1,655	16x35.5	1,890	18x35.5	2,070																
15,000	16x35.5	2,020	18x35.5	2,190																		
22,000	18x40	2,360																				

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

WV(V) Cap(μF)	160(2C)		200(2D)		250(2E)		350(2V)		400(2G)		450(2W)	
0.47							6.3x11	12			10x13	10
1.0							6.3x11	15	6.3x11	16	10x13	14
2.2					6.3x11	24	8x12	27	8x12	27	10x13	23
3.3	6.3x11	29	6.3x11	28	8x12	32	10x13	38	10x13	40	10x16	32
4.7	6.3x11	35	8x12	40	8x12	40	10x16	51	10x16	50	10x20	42
10	10x13	66	10x16	75	10x16	75	10x20	82	10x20	85	13x20	65
22	10x20	120	10x20	120	13x20	130	13x20	130	13x25	145	16x25	120
33	10x20	150	13x20	160	13x20	160	16x25	200	16x25	200	16x31.5	160
47	13x20	195	13x20	200	13x25	215	16x25	235	16x31.5	250	16x35.5	190
100	16x25	340	16x25	335	16x31.5	365	18x31.5	378	16x40	355		
220	16x31.5	540	18x35.5	580	18x40	590						
330	18x35.5	710										

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

● 频率系数 Frequency Multipliers

Frequency(Hz) Capacitance(μF)	50	120	300	1k	10k	100k
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