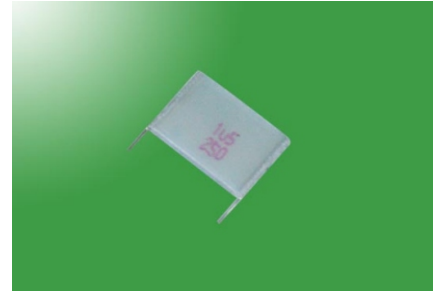


Features

- Uncoated, stacked construction
- Small size
- Applied to DC impulse and pulse circuits

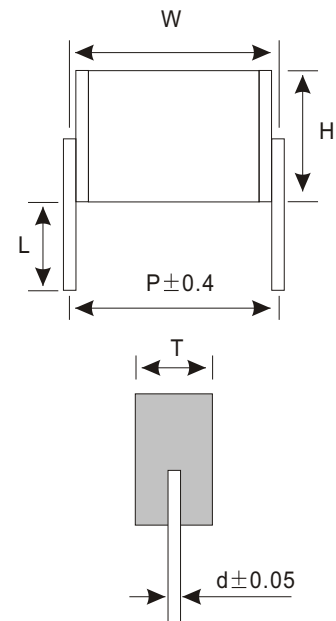
Configuration

Non-inductive, wound with metallized polyester film as the dielectric/
Electrode with copper-clad steel leads and encapsulated in a plastic case sealed with epoxy resin.



Specifications & Outline Drawing

Reference Standard	GB7332 (IEC 60384-2)						
Climatic Category	55/100/56						
Rated Voltage	63V、100V、250V、400V、630V、1000V						
Capacitance Range	0.0010~33uF						
Capacitance Tolerance	$\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)						
Voltage Proof	1.4U _R (2s)						
Dissipation Factor	≤ 0.0100 (1kHz) ≤ 0.0150 (10kHz, C _R $\leq 1.0\mu\text{F}$) ≤ 0.0300 (100kHz, C _R $\leq 0.1\mu\text{F}$)						
Insulation Resistance (20°C, 1min)	UR $\leq 100\text{V}$	$\geq 3750\text{M}\Omega$, (C _R $\leq 0.33\mu\text{F}$) $\geq 1250\text{s}$, (C _R $\geq 0.33\mu\text{F}$)					
	UR $> 100\text{V}$	$\geq 7500\text{M}\Omega$, (C _R $\leq 0.33\mu\text{F}$) $\geq 2500\text{s}$, (C _R $\geq 0.33\mu\text{F}$)					
Maximum Pulse Rise Time DV/dt(V/s)	U _t (VDC)	63	100	250	400	630	1000
	P(mm)	63	100	250	400	630	1000
	5	120	150	250	300	400	—
	7.5	120	150	200	275	320	400
	10	—	75	150	175	—	—
	15	—	50	100	125	150	—
22.5	—	50	100	125	—	—	
27.5	—	25	50	60	—	—	



• Dimensions(mm)

Lead Pitch: P ± 0.4	5.0	7.5	10.0	15.0	22.5	27.5
Lead Diameter: $\phi d \pm 0.05$	0.5			0.6	0.8	

P=5.0mm

Capacitance UF	63VDC(40VAC)			100VDC(63VAC)			250VDC(160VAC)			400VDC(200VAC)			630VDC(400VAC)		
	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax
0.0010	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5
0.0012	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.2	6.5	4.0	2.5
0.0015	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.2	6.5	4.0	2.5
0.0018	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	5.0	3.0
0.0022	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.2	6.5	5.0	3.0
0.0027	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	5.0	3.0
0.0033	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.5	3.0	6.5	5.0	3.0
0.0039	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0
0.0047	6.5	4.0	2.5	6.5	4.0	2.5	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0
0.0056	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0
0.0068	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0
0.0082	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.4	3.5
0.010	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.7	3.5
0.012	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	7.3	3.7
0.015	6.5	4.5	3.0	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0			
0.018	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0			
0.022	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0			
0.027	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.4	2.9			
0.033	6.5	4.5	3.0	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.8	3.2			
0.039	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0	6.5	5.8	3.5			
0.047	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0	6.5	7.4	3.5			
0.056	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0	6.5	8.2	3.7			
0.068	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.0	6.5	8.4	4.2			
0.082	6.5	4.5	3.0	6.5	5.0	3.0	6.5	5.0	3.5	6.5	8.5	4.7			
0.1	6.5	5.0	3.0	6.5	5.0	3.0	6.5	5.5	3.7	6.5	8.6	5.7			
0.12	6.5	5.0	3.0	6.5	5.0	3.0	6.5	7.1	3.5						
0.15	6.5	5.0	3.0	6.5	5.0	3.0	6.5	7.1	4.2						
0.18	6.5	5.0	3.0	6.5	5.0	3.0									
0.22	6.5	5.0	3.0	6.5	5.0	3.0									
0.27	6.5	5.0	3.0	6.5	5.3	3.2									
0.33	6.5	5.0	3.0	6.5	5.3	3.2									
0.39	6.5	5.5	3.2	6.5	7.6	3.2									
0.47	6.5	5.5	3.2	6.5	7.6	3.7									
0.56	6.5	7.9	3.2	6.5	7.7	4.2									
0.68	6.5	8.0	3.7	6.5	7.9	4.7									
0.82	6.5	8.2	4.2	6.5	7.9	5.7									
1.0	6.5	8.7	4.7	6.5	8.7	6.2									



TMCF09 Metallized Polyester Film Capacitor Stacked Type

P=10mm

Capacitance Uf	100VDC(63VAC)			250VDC(160VAC)			400VDC(200VAC)		
	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax
0.010							11.5	4.1	2.2
0.012							11.5	4.5	2.2
0.015							11.5	4.7	2.5
0.018							11.5	5.0	2.5
0.022							11.5	5.0	2.5
0.027							11.5	5.4	2.5
0.033							11.5	5.5	2.5
0.039							11.5	5.5	2.5
0.047				11.5	3.9	2.2	11.5	5.5	2.7
0.056				11.5	4.3	2.2	11.5	5.6	2.7
0.068				11.5	4.3	2.5	11.5	5.6	3.2
0.082				11.5	4.6	2.7	11.5	6.5	3.2
0.10				11.5	5.4	2.7	11.5	6.6	3.7
0.12				11.5	5.4	3.2	11.5	6.7	4.2
0.15				11.5	5.5	3.2	11.5	7.3	4.7
0.18				11.5	5.5	3.2	11.5	7.8	5.2
0.22				11.5	5.6	3.7	11.5	8.6	5.7
0.27				11.5	5.8	4.2			
0.33	11.5	4.1	2.5	11.5	6.5	4.5			
0.39	11.5	4.9	2.5	11.5	6.9	4.9			
0.47	11.5	5.0	2.7	11.5	7.8	5.2			
0.56	11.5	5.2	3.2						
0.68	11.5	6.0	3.2						
0.82	11.5	6.0	3.7						
1.0	11.5	6.2	4.2						
1.2	11.5	7.5	4.2						
1.5	11.5	8.2	4.7						
1.8	11.5	8.7	5.2						
2.2	11.5	9.5	5.7						



TMCF09 Metallized Polyester Film Capacitor Stacked Type

P=22.5mm

Capacitor UF	100VDC(63VAC)			250VDC(160VAC)			400VDC(200VAC)		
	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax
0.33							24	7.2	4.7
0.39							24	7.5	5.2
0.47							24	8.1	5.7
0.56							24	8.7	6.2
0.68				24	6.6	4.2	24	9.3	6.9
0.82				24	6.8	4.7	24	9.9	7.7
1.0				24	7.3	5.2	24	11.0	8.3
1.2				24	7.8	5.7	24	12.7	8.7
1.5				24	8.8	6.2	24	13.1	10.2
1.8				24	9.7	6.7	24	14.2	11.2
2.2				24	10.9	7.2	24	15.4	12.5
2.7				24	12.3	7.7			
3.3	24	7.4	5.0	24	13.1	8.7			
3.9	24	8.3	5.2	24	14.5	9.2			
4.7	24	8.6	5.9	24	14.8	10.7			
5.6	24	9.7	6.2						
6.8	24	10.1	7.0						
8.2	24	11.8	7.2						
10	24	11.8	8.6						
12	24	13.1	9.2						
15	24	13.5	10.9						
18	24	15.7	11.2						
22	24	16.8	12.7						

P=27.5mm

Capacitor UF	100VDC(63VAC)			250VDC(160VAC)			400VDC(200VAC)		
	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax	Wmax	Hmax	Tmax
1.0				29	6.6	4.7	29	11.0	6.8
1.2				29	7.5	4.9	29	12.5	7.2
1.5				29	8.7	5.2	29	14.0	7.8
1.8				29	9.3	5.7	29	14.8	8.7
2.2				29	10.3	6.2	29	16.2	9.6
2.7				29	11.5	6.7	29	17.7	10.7
3.3				29	12.9	7.2	29	18.7	12.2
3.9				29	13.1	8.2	29	20.3	13.2
4.7	29	7.2	5.6	29	13.8	9.2	29	22.6	14.2
5.6	29	8.4	5.7	29	15.5	9.7	29	23.0	16.4
6.8	29	9.1	6.3	29	16.9	10.7	29	27.4	16.7
8.2	29	10.2	6.7	29	18.5	11.7			
10	29	10.7	7.6	29	20.6	12.7			
12	29	11.8	8.2						
15	29	13.1	9.1						
18	29	14.6	9.7						
22	29	15.5	11.0						
27	29	17.0	12.2						
33	29	19.4	13.0						