



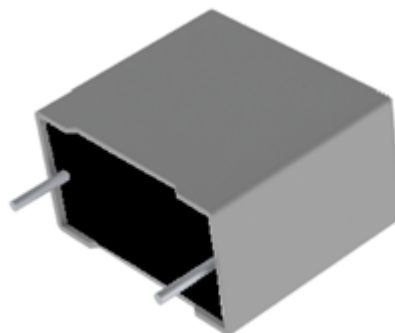
塑料外壳金属化聚丙烯直流电容

Metallized polypropylene film capacitor..box type for DC Voltage

型号 Type: CBB23

金属化聚丙烯薄膜、阻燃塑壳封装、阻燃等级 UL94V-0 级

Metallized Polypropylene film with flame retardant plastic case and epoxy resin seal (UL94V-0).



■特点Features

- 良好的自愈性能
- 较低损耗值
- 卓越的高频性能
- 优良的温度特性
- Good self-healing performance
- Low DF and high IR
- Excellent high frequency performance
- Excellent temperature characteristics

■主要用途Applications

- 广泛应用于直流、脉动、高频较大电流场合
- 电路直流滤波等（如：DC-Link、PFC 等）
- Widely used in DC, pulsation, high frequency and large current applications
- Circuit DC filtering, etc. (such as DC-Link, PFC, etc.)

■产品码构成 Explanation of numbers

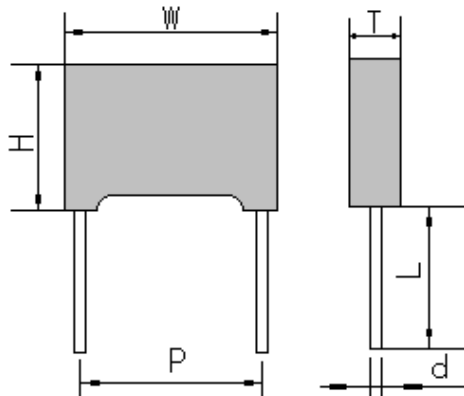
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
C	B	B	2	3												
Type					Rated volt.			Capacitance			Tol.	Pitch	Color	Identifier		
											↓		↓			
											J	± 5%	Y	Yellow		
											K	± 10%	D	Dark grey		
											M	± 20%				

■技术规范 Specifications (IEC60384-16 GB10190)

温度范围 Temperature Range	-40℃ ~ +105℃	
额定电压 U_R Rated Voltage	160Vdc/250Vdc/400Vdc/630Vdc/1000Vdc/1250Vdc/1600Vdc/2000Vdc	
容量范围 C_R Capacitance Range	0.001μ F ~ 22μ F (at: 20℃、1KHz)	
容量偏差 Capacitance Tolerance	J (±5%)、K (±10%)、M (±20%)	
损耗角正切值 $\tan\delta$ Dissipation Factor	$C_R \leq 1\mu F$: 0.3% max (at: 20℃、10KHz) $C_R > 1\mu F$: 0.1% max (at: 20℃、1KHz)	
耐电压 U_{TT} Voltage Proof	1.7 U_R 2S	
绝缘电阻 I_R Insulation Resistance	$C_R \leq 0.33\mu F$ $I_R \geq 50000M\Omega$; $C_R > 0.33\mu F$ $I_R \geq 15000S$ (at: 20℃、60S)	



■外形图 OUTLINE DRAWING



■尺寸 Dimensions

产 品 码	容 量 (μF)	尺 寸 (mm)					备 注
		P ± 1	W ± 0.5	H ± 0.5	T ± 0.5	$\Phi d \pm 0.05$	
U _R =160 Vdc							
CBB23160104□10□□□	0.10	10.0	13.0	9.0	4.0	0.6	
CBB23160154□10□□□	0.15	10.0	13.0	11.0	5.0	0.6	
CBB23160224□10□□□	0.22	10.0	13.0	12.0	6.0	0.6	
CBB23160224□15□□□	0.22	15.0	18.0	11.0	5.0	0.6	
CBB23160334□15□□□	0.33	15.0	18.0	12.0	6.0	0.8	
CBB23160474□15□□□	0.47	15.0	18.0	13.5	7.5	0.8	
CBB23160684□15□□□	0.68	15.0	18.0	14.5	8.5	0.8	
CBB23160824□15□□□	0.82	15.0	18.0	16.0	10.0	0.8	
CBB23160105□15□□□	1.0	15.0	18.0	16.0	10.0	0.8	
CBB23160105□22□□□	1.0	22.5	26.5	16.5	7.0	0.8	
CBB23160155□22□□□	1.5	22.5	26.5	19.0	10.0	0.8	
CBB23160225□27□□□	2.2	27.5	32.0	20.0	11.0	0.8	
CBB23160335□27□□□	3.3	27.5	32.0	23.0	13.0	0.8	
CBB23160475□27□□□	4.7	27.5	32.0	24.5	14.0	0.8	
CBB23160685□27□□□	6.8	27.5	32.0	33.0	18.0	0.8	
CBB23160106□27□□□	10.0	27.5	32.0	37.0	22.0	0.8	
CBB23160156□37□□□	15.0	37.5	41.5	40.0	20.0	1.0	
CBB23160206□37□□□	22.0	37.5	41.5	44.0	24.0	1.0	
U _R =250 Vdc							
CBB23250333□10□□□	0.033	10.0	13.0	9.0	4.0	0.6	
CBB23250473□10□□□	0.047	10.0	13.0	9.0	4.0	0.6	
CBB23250683□10□□□	0.068	10.0	13.0	9.0	4.0	0.6	
CBB23250104□10□□□	0.10	10.0	13.0	11.0	5.0	0.6	
CBB23250154□10□□□	0.15	10.0	13.0	12.0	6.0	0.6	
CBB23250154□15□□□	0.15	15.0	18.0	11.0	5.0	0.8	
CBB23250224□15□□□	0.22	15.0	18.0	11.0	5.0	0.8	
CBB23250334□15□□□	0.33	15.0	18.0	12.0	6.0	0.8	
CBB23250474□15□□□	0.47	15.0	18.0	13.5	7.5	0.8	
CBB23250684□15□□□	0.68	15.0	18.0	14.5	8.5	0.8	
CBB23250824□15□□□	0.82	15.0	18.0	16.0	10.0	0.8	
CBB23250105□15□□□	1.0	15.0	18.0	16.0	10.0	0.8	
CBB23250474□22□□□	0.47	22.5	26.5	15.0	6.0	0.8	
CBB23250684□22□□□	0.68	22.5	26.5	15.0	6.0	0.8	
CBB23250105□22□□□	1.0	22.5	26.5	16.5	7.0	0.8	
CBB23250155□22□□□	1.5	22.5	26.5	19.0	10.0	0.8	
CBB23250225□22□□□	2.2	22.5	26.0	20.0	11.0	0.8	
CBB23250335□22□□□	3.3	22.5	26.5	22.0	13.0	0.8	
CBB23250105□27□□□	1.0	27.5	31.5	17.5	8.5	0.8	



产 品 码	容 量 (μF)	尺 寸 (mm)					备 注
		P $\pm$ 1	W $\pm$ 0.5	H $\pm$ 0.5	T $\pm$ 0.5	$\Phi d \pm$ 0.05	
U _R =250Vdc							
CBB23250155□27□□□	1.5	27.5	31.5	17.5	8.5	0.8	
CBB23250225□27□□□	2.2	27.5	32.0	20.0	11.0	0.8	
CBB23250335□27□□□	3.3	27.5	32.0	23.0	13.0	0.8	
CBB23250475□27□□□	4.7	27.5	32.0	25.0	14.0	0.8	
CBB23250685□27□□□	6.8	27.5	32.0	33.0	18.0	0.8	
CBB23250106□27□□□	10.0	27.5	32.0	37.0	22.0	0.8	
CBB23250156□37□□□	15.0	37.5	41.5	40.0	20.0	1.0	
CBB23250226□37□□□	22.0	37.5	41.5	44.0	24.0	1.0	
U _R =400Vdc							
CBB23400153□10□□□	0.015	10.0	13.0	9.0	4.0	0.6	
CBB23400223□10□□□	0.022	10.0	13.0	9.0	4.0	0.6	
CBB23400333□10□□□	0.033	10.0	13.0	11.0	5.0	0.6	
CBB23400473□10□□□	0.047	10.0	13.0	11.0	5.0	0.6	
CBB23400683□10□□□	0.068	10.0	13.0	12.0	6.0	0.6	
CBB23400683□15□□□	0.068	15.0	18.0	11.0	5.0	0.8	
CBB23400104□15□□□	0.10	15.0	18.0	11.0	5.0	0.8	
CBB23400154□15□□□	0.15	15.0	18.0	12.0	6.0	0.8	
CBB23400224□15□□□	0.22	15.0	18.0	13.5	7.5	0.8	
CBB23400334□15□□□	0.33	15.0	18.0	16.0	10.0	0.8	
CBB23400474□15□□□	0.47	15.0	18.0	16.0	10.0	0.8	
CBB23400224□22□□□	0.22	22.5	26.5	15.0	6.0	0.8	
CBB23400334□22□□□	0.33	22.5	26.5	15.0	6.0	0.8	
CBB23400474□22□□□	0.47	22.5	26.5	16.5	7.0	0.8	
CBB23400684□22□□□	0.68	22.5	26.5	19.0	10.0	0.8	
CBB23400105□22□□□	1.0	22.5	26.0	20.0	11.0	0.8	
CBB23400155□22□□□	1.5	22.5	26.0	23.0	13.0	0.8	
CBB23400684□27□□□	0.68	27.5	31.5	17.5	8.5	0.8	
CBB23400105□27□□□	1.0	27.5	32.0	20.0	11.0	0.8	
CBB23400155□27□□□	1.5	27.5	32.0	22.0	13.0	0.8	
CBB23400225□27□□□	2.2	27.5	32.0	25.0	14.0	0.8	
CBB23400335□27□□□	3.3	27.5	32.0	33.0	18.0	0.8	
CBB23400475□27□□□	4.7	27.5	32.0	37.0	22.0	0.8	
CBB23400685□37□□□	6.8	37.5	41.5	32.0	19.0	1.0	
CBB23400106□37□□□	10.0	37.5	41.5	44.0	24.0	1.0	
U _R =630Vdc							
CBB23630102□10□□□	0.001	10.0	13.0	9.0	4.0	0.6	
CBB23630152□10□□□	0.0015	10.0	13.0	9.0	4.0	0.6	
CBB23630222□10□□□	0.0022	10.0	13.0	9.0	4.0	0.6	
CBB23630332□10□□□	0.0033	10.0	13.0	9.0	4.0	0.6	
CBB23630472□10□□□	0.0047	10.0	13.0	9.0	4.0	0.6	
CBB23630682□10□□□	0.0068	10.0	13.0	9.0	4.0	0.6	
CBB23630103□10□□□	0.01	10.0	13.0	9.0	4.0	0.6	
CBB23630153□10□□□	0.015	10.0	13.0	11.0	5.0	0.6	
CBB23630223□10□□□	0.022	10.0	13.0	12.0	6.0	0.6	
CBB23630333□15□□□	0.033	15.0	18.0	11.0	5.0	0.8	
CBB23630473□15□□□	0.047	15.0	18.0	11.0	5.0	0.8	
CBB23630683□15□□□	0.068	15.0	18.0	12.0	6.0	0.8	



产 品 码	容 量 (μF)	尺 寸 (mm)					
		P $\pm$ 1	W $\pm$ 0.5	H $\pm$ 0.5	T $\pm$ 0.5	$\Phi d \pm 0.05$	
U _R =630Vdc							
CBB23630104□15□□□□	0.10	15.0	18.0	13.5	7.5	0.8	
CBB23630154□15□□□□	0.15	15.0	18.0	14.5	8.5	0.8	
CBB23630224□15□□□□	0.22	15.0	18.0	16.0	10.0	0.8	
CBB23630334□15□□□□	0.33	15.0	18.0	19.0	11.0	0.8	
CBB23630104□22□□□□	0.1	22.5	26.5	15.0	6.0	0.8	
CBB23630154□22□□□□	0.15	22.5	26.5	15.0	6.0	0.8	
CBB23630224□22□□□□	0.22	22.5	26.5	16.5	7.0	0.8	
CBB23630334□22□□□□	0.33	22.5	26.5	19.0	10.0	0.8	
CBB23630474□22□□□□	0.47	22.5	26.0	20.0	11.0	0.8	
CBB23630684□22□□□□	0.68	22.5	26.5	23.0	13	0.8	
CBB23630474□27□□□□	0.47	27.5	32.0	20.0	11.0	0.8	
CBB23630684□27□□□□	0.68	27.5	32.0	20.0	11.0	0.8	
CBB23630105□27□□□□	1.0	27.5	32.0	23.0	13.0	0.8	
CBB23630155□27□□□□	1.5	27.5	32.0	28.0	14.0	0.8	
CBB23630225□27□□□□	2.2	27.5	32.0	33.0	18.0	0.8	
CBB23630335□27□□□□	3.3	27.5	32.0	37.0	22.0	0.8	
CBB23630475□37□□□□	4.7	37.5	41.5	40.0	20.0	1.0	
U _R =1000Vdc							
CBB231KV153□15□□□□	0.015	15.0	18.0	11.0	5.0	0.8	
CBB231KV223□15□□□□	0.022	15.0	18.0	11.0	5.0	0.8	
CBB231KV333□15□□□□	0.033	15.0	18.0	12.0	6.0	0.8	
CBB231KV473□15□□□□	0.047	15.0	18.0	13.5	7.5	0.8	
CBB231KV683□15□□□□	0.068	15.0	18.0	12.0	13.0	0.8	
CBB231KV104□15□□□□	0.1	15.0	18.0	19.0	11.0	0.8	
CBB231KV473□22□□□□	0.047	22.5	26.5	15.0	6.0	0.8	
CBB231KV683□22□□□□	0.068	22.5	26.5	15.0	6.0	0.8	
CBB231KV104□22□□□□	0.1	22.5	26.5	16.5	7.0	0.8	
CBB231KV154□22□□□□	0.15	22.5	26.5	19.0	10.0	0.8	
CBB231KV224□22□□□□	0.22	22.5	26.5	20.0	11.0	0.8	
CBB231KV224□27□□□□	0.22	27.5	32.0	20.0	11.0	0.8	
CBB231KV334□27□□□□	0.33	27.5	32.0	23.0	11.0	0.8	
CBB231KV474□27□□□□	0.47	27.5	32.0	25.0	14.0	0.8	
CBB231KV684□27□□□□	0.68	27.5	32.0	33.0	18.0	0.8	
CBB231KV105□27□□□□	1.0	27.5	32.0	33.0	18.0	0.8	
CBB231KV155□37□□□□	1.5	37.5	41.5	32.0	19.0	1.0	
CBB231KV225□37□□□□	2.2	37.5	41.5	40.0	20.0	1.0	
U _R =1250 Vdc							
CBB231K2103□15□□□□	0.010	15.0	18.0	11.0	5.0	0.8	
CBB231K2153□15□□□□	0.015	15.0	18.0	12.0	6.0	0.8	
CBB231K2223□15□□□□	0.022	15.0	18.0	13.5	7.5	0.8	
CBB231K2333□15□□□□	0.033	15.0	18.0	16.0	10.0	0.8	
CBB231K2473□15□□□□	0.047	15.0	18.0	19.0	11.0	0.8	
CBB231K2333□22□□□□	0.033	22.5	26.5	15.0	6.0	0.8	
CBB231K2473□22□□□□	0.047	22.5	26.5	16.5	7.0	0.8	
CBB231K2683□22□□□□	0.068	22.5	26.5	17.0	8.5	0.8	
CBB231K2104□22□□□□	0.10	22.5	26.5	19.0	10.0	0.8	
CBB231K2154□22□□□□	0.15	22.5	26.5	23.0	13.0	0.8	



产 品 码	容 量 (μF)	尺 寸 (mm)					备 注
		P $\pm$ 1	W $\pm$ 0.5	H $\pm$ 0.5	T $\pm$ 0.5	$\Phi d\pm$ 0.05	
U _R =1200 Vdc							
CBB231K2104□27□□□	0.10	27.5	32.0	20.0	11.0	0.8	
CBB231K2154□27□□□	0.15	27.5	32.0	22.0	13.0	0.8	
CBB231K2224□27□□□	0.22	27.5	32.0	23.0	13.0	0.8	
CBB231K2334□27□□□	0.33	27.5	32.0	25.0	14.0	0.8	
CBB231K2474□27□□□	0.47	27.5	32.0	33.0	18.0	0.8	
CBB231K2684□37□□□	0.68	37.5	41.5	40.0	20.0	1.0	
U _R =1600 Vdc							
CBB231K6682□15□□□	0.0068	15.0	18.0	11.0	5.0	0.8	
CBB231K6103□15□□□	0.010	15.0	18.0	12.0	6.0	0.8	
CBB231K6153□15□□□	0.015	15.0	18.0	13.5	7.5	0.8	
CBB231K6223□15□□□	0.022	15.0	18.0	16.0	10.0	0.8	
CBB231K6333□15□□□	0.033	15.0	18.0	19.0	11.0	0.8	
CBB231K6333□22□□□	0.033	22.5	26.5	16.5	7.0	0.8	
CBB231K6473□22□□□	0.047	22.5	26.5	17.0	8.5	0.8	
CBB231K6683□22□□□	0.068	22.5	26.5	19.0	10.0	0.8	
CBB231K6104□22□□□	0.10	22.5	26.5	23.0	13.0	0.8	
CBB231K6683□27□□□	0.068	27.5	31.5	17.5	8.5	0.8	
CBB231K6104□27□□□	0.10	27.5	32.0	20.0	11.0	0.8	
CBB231K6154□27□□□	0.15	27.5	32.0	22.0	13.0	0.8	
CBB231K6224□27□□□	0.22	27.5	32.0	25.0	14.0	0.8	
CBB231K6334□27□□□	0.33	27.5	32.0	33.0	18.0	0.8	
CBB231K6474□27□□□	0.47	27.5	32.0	37.0	22.0	0.8	
CBB231K6224□37□□□	0.22	37.5	41.5	22.0	11.0	1.0	
CBB231K6334□37□□□	0.33	37.5	41.5	28.5	16.0	1.0	
CBB231K6474□37□□□	0.47	37.5	41.5	28.5	16.0	1.0	
CBB231K6684□37□□□	0.68	37.5	41.5	40.0	20.0	1.0	
CBB231K6105□37□□□	1.0	37.5	41.5	40.0	24.0	1.0	
U _R =2000 Vdc							
CBB232KV102□15□□□	0.001	15.0	18.0	11.0	5.0	0.8	
CBB232KV152□15□□□	0.0015	15.0	18.0	11.0	5.0	0.8	
CBB232KV222□15□□□	0.0022	15.0	18.0	11.0	5.0	0.8	
CBB232KV332□15□□□	0.0033	15.0	18.0	11.0	5.0	0.8	
CBB232KV472□15□□□	0.0047	15.0	18.0	11.0	5.0	0.8	
CBB232KV682□15□□□	0.0068	15.0	18.0	12.0	6.0	0.8	
CBB232KV103□15□□□	0.01	15.0	18.0	13.5	7.5	0.8	
CBB232KV123□15□□□	0.012	15.0	18.0	14.5	8.5	0.8	
CBB232KV153□15□□□	0.015	15.0	18.0	14.5	8.5	0.8	
CBB232KV223□15□□□	0.022	15.0	18.0	19.0	11.0	0.8	
CBB232KV472□22□□□	0.0047	22.5	26.5	15.0	6.0	0.8	
CBB232KV682□22□□□	0.0068	22.5	26.5	15.0	6.0	0.8	
CBB232KV103□22□□□	0.010	22.5	26.5	15.0	6.0	0.8	
CBB232KV153□22□□□	0.015	22.5	26.5	15.0	6.0	0.8	
CBB232KV223□22□□□	0.022	22.5	26.5	15.0	6.0	0.8	
CBB232KV333□22□□□	0.033	22.5	26.5	17.0	8.5	0.8	
CBB232KV473□22□□□	0.047	22.5	26.5	19.0	10.0	0.8	
CBB232KV473□27□□□	0.047	27.5	31.5	17.5	8.5	0.8	
CBB232KV683□22□□□	0.068	22.5	26.5	23.0	13.0	0.8	



备忘录:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.