



ELECTRONIC EQUIPMENT FILM CAPACITOR

TACB Series

- Maximum operating temperature 105°C.
- Allowable temperature rise 15K max.
- A little hum is produced when applied AC voltage.



◆ SPECIFICATIONS

Items	Characteristics												
Category temperature range	-40 to +105°C												
Rated voltage range	250 to 800V _{dc}												
Capacitance tolerance	±5% (J) or ±10% (K)												
Voltage proof (Terminal - Terminal)	No degradation, at 150% of rated voltage shall be applied for 60 seconds.												
Dissipation factor (tanδ)	No more than 0.05% : Equal or less than 1μF. No more than (c×0.015+0.05)% : More than 1μF.												
Insulation resistance (Terminal - Terminal)	No less than 30000MΩ : Equal or less than 0.33μF. No less than 10000ΩF : More than 0.33μF.												
	<table border="1"> <tr> <td>Rated voltage (V_{dc})</td> <td>250</td> <td>315</td> <td>400</td> <td>630</td> <td>800</td> </tr> <tr> <td>Measurement voltage (V_{dc})</td> <td>100</td> <td>100</td> <td>100</td> <td>500</td> <td>500</td> </tr> </table>	Rated voltage (V _{dc})	250	315	400	630	800	Measurement voltage (V _{dc})	100	100	100	500	500
Rated voltage (V _{dc})	250	315	400	630	800								
Measurement voltage (V _{dc})	100	100	100	500	500								
Endurance	The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 105°C.												
	<table border="1"> <tr> <td>Appearance</td> <td>No serious degradation</td> </tr> <tr> <td>Insulation resistance (Terminal - Terminal)</td> <td>No less than 10000MΩ : Equal or less than 0.33μF. No less than 3000ΩF : More than 0.33μF.</td> </tr> <tr> <td>Dissipation factor (tanδ)</td> <td>No more than initial specification at 1kHz.</td> </tr> <tr> <td>Capacitance change</td> <td>Within ±5% of initial value.</td> </tr> </table>	Appearance	No serious degradation	Insulation resistance (Terminal - Terminal)	No less than 10000MΩ : Equal or less than 0.33μF. No less than 3000ΩF : More than 0.33μF.	Dissipation factor (tanδ)	No more than initial specification at 1kHz.	Capacitance change	Within ±5% of initial value.				
Appearance	No serious degradation												
Insulation resistance (Terminal - Terminal)	No less than 10000MΩ : Equal or less than 0.33μF. No less than 3000ΩF : More than 0.33μF.												
Dissipation factor (tanδ)	No more than initial specification at 1kHz.												
Capacitance change	Within ±5% of initial value.												
Loading under damp heat	The following specifications shall be satisfied, after 500hrs with applying rated voltage at 40°C 90~95%RH.												
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Dissipation factor (tanδ)	No more than initial specification at 1kHz.												
Capacitance change	Within ±5% of initial value.												

◆ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Dimensions (mm)					Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	φd				
250	0.33	16.2	8.6	8.3	10.0	0.8	3.08	125	FTACB251V334□DLCZ0	TACB2E334□
	0.39		9.2	8.8			3.34		FTACB251V394□DLCZ0	TACB2E394□
	0.47		9.7	9.3			3.67		FTACB251V474□DLCZ0	TACB2E474□
	0.56		10.3	9.8			4.01		FTACB251V564□DLCZ0	TACB2E564□
	0.68		11.1	10.6			4.42		FTACB251V684□DLCZ0	TACB2E684□
	0.82		11.9	11.4			4.85		FTACB251V824□DLCZ0	TACB2E824□
	1.0	12.9	12.3	5.35	FTACB251V105□DLCZ0	TACB2E105□				
	1.2	12.9	12.3	5.03	FTACB251V125□HLGZ0	TACB2E125□				
	1.5	18.2	14.1	13.5	5.63	FTACB251V155□HLGZ0	TACB2E155□			
	1.8	15.2	14.5	6.17	FTACB251V185□HLGZ0	TACB2E185□				
	2.2	14.5	13.8	5.04	FTACB251V225□ELHZ0	TACB2E225□				
	2.7	15.7	15.0	5.58	FTACB251V275□ELHZ0	TACB2E275□				
	3.3	23.2	17.1	16.3	6.17	FTACB251V335□ELHZ0	TACB2E335□			
	3.9	18.4	17.5	6.71	FTACB251V395□ELHZ0	TACB2E395□				
	4.7	20.0	19.0	7.36	FTACB251V475□ELHZ0	TACB2E475□				
	5.6	19.3	18.4	6.38	FTACB251V565□FLEZ0	TACB2E565□				
	6.8	21.0	20.0	7.03	FTACB251V685□FLEZ0	TACB2E685□				
	8.2	28.2	22.1	21.9	7.72	FTACB251V825□FLEZ0	TACB2E825□			
	10	25.2	24.0	8.52	FTACB251V106□FLEZ0	TACB2E106□				
	12	27.3	26.0	9.34	FTACB251V126□FLEZ0	TACB2E126□				
	15	24.2	23.1	6.45	FTACB251V156□TLJZ0	TACB2E156□				
	18	43.2	26.3	25.1	7.07	FTACB251V186□TLJZ0	TACB2E186□			
22	28.9	27.5	7.81	FTACB251V226□TLJZ0	TACB2E226□					
315	0.22	16.2	8.7	8.3	10.0	0.8	2.81	150	FTACB3B1V224□DLCZ0	TACB2F224□
	0.27		9.3	9.0			3.11		FTACB3B1V274□DLCZ0	TACB2F274□
	0.33		10.0	9.6			3.44		FTACB3B1V334□DLCZ0	TACB2F334□
	0.39		10.7	10.2			3.74		FTACB3B1V394□DLCZ0	TACB2F394□
	0.47		11.4	10.9			4.10		FTACB3B1V474□DLCZ0	TACB2F474□
	0.56		12.1	11.6			4.48		FTACB3B1V564□DLCZ0	TACB2F564□
	0.68	13.2	12.6	4.94	FTACB3B1V684□DLCZ0	TACB2F684□				
	0.82	18.2	13.2	12.6	4.65	FTACB3B1V824□HLGZ0	TACB2F824□			
	1.0	14.4	13.7	5.14	FTACB3B1V105□HLGZ0	TACB2F105□				

(1) The symbol "□" is Capacitance tolerance code. (J : ±5%, K : ±10%)

(2) The maximum ripple current : +85°C max., 100kHz, sine wave

(3) WV(V_{ac}) : 50Hz or 60Hz, sine wave



◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Dimensions (mm)					Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)			
		W	H	T	F	φd							
315	1.2	23.2	13.4	12.8	17.5	0.8	4.16	150	FTACB3B1V125□DLHZO	TACB2F125□			
	1.5		14.8	14.1			4.65		FTACB3B1V155□DLHZO	TACB2F155□			
	1.8		15.9	15.2			5.09		FTACB3B1V185□DLHZO	TACB2F185□			
	2.2		17.3	16.5			5.63		FTACB3B1V225□DLHZO	TACB2F225□			
	2.7		19.0	18.1			6.24		FTACB3B1V275□DLHZO	TACB2F275□			
	3.3	28.2	18.6	17.7	22.5	1.0	5.47		FTACB3B1V335□FLEZO	TACB2F335□			
	3.9		20.0	19.0			5.95		FTACB3B1V395□FLEZO	TACB2F395□			
	4.7		21.8	20.7			6.53		FTACB3B1V475□FLEZO	TACB2F475□			
	5.6		23.6	22.5			7.13		FTACB3B1V565□FLEZO	TACB2F565□			
	6.8		25.8	24.6			7.86		FTACB3B1V685□FLEZO	TACB2F685□			
8.2	28.1	26.8	8.63	FTACB3B1V825□FLEZO	TACB2F825□								
400	0.1	16.2	9.2	8.8	10.0	0.8	2.40	175	FTACB401V104□DLCZO	TACB2G104□			
	0.12		9.7	9.3			2.62		FTACB401V124□DLCZO	TACB2G124□			
	0.15		10.5	10.1			2.93		FTACB401V154□DLCZO	TACB2G154□			
	0.18		11.2	10.7			3.21		FTACB401V184□DLCZO	TACB2G184□			
	0.22		12.1	11.6			3.55		FTACB401V224□DLCZO	TACB2G224□			
	0.27	13.1	12.5	3.94	FTACB401V274□DLCZO	TACB2G274□							
	0.33	18.2	13.2	12.6	12.5	0.8	3.71		FTACB401V334□HLGZO	TACB2G334□			
	0.39		14.1	13.5			4.04		FTACB401V394□HLGZO	TACB2G394□			
	0.47		15.2	14.5			4.43		FTACB401V474□HLGZO	TACB2G474□			
	0.56		14.1	13.5			3.54		FTACB401V564□ELHZO	TACB2G564□			
	0.68		15.3	14.6			3.90		FTACB401V684□ELHZO	TACB2G684□			
	0.82	23.2	16.6	15.8	17.5	1.0	4.29		FTACB401V824□ELHZO	TACB2G824□			
	1.0		18.1	17.2			4.73		FTACB401V105□ELHZO	TACB2G105□			
	1.2		19.6	18.6			5.19		FTACB401V125□ELHZO	TACB2G125□			
	1.5		19.2	18.3			4.58		FTACB401V155□FLEZO	TACB2G155□			
	1.8		20.8	19.8			5.02		FTACB401V185□FLEZO	TACB2G185□			
	2.2	28.2	22.8	21.8	22.5	1.0	5.55		FTACB401V225□FLEZO	TACB2G225□			
	2.7		25.1	23.9			6.15		FTACB401V275□FLEZO	TACB2G275□			
	3.3		27.5	26.2			6.79		FTACB401V335□FLEZO	TACB2G335□			
	3.9		23.9	22.8			4.57		FTACB401V395□TLJZO	TACB2G395□			
4.7	25.9		24.7	5.02			FTACB401V475□TLJZO	TACB2G475□					
5.6	43.2	28.1	26.8	37.5	1.0	5.48	FTACB401V565□TLJZO	TACB2G565□					
630		0.056	16.2			8.5	8.2	10.0	0.8	1.96	200	FTACB631V563□DLCZO	TACB2J563□
		0.068				9.1	8.7			2.16		FTACB631V683□DLCZO	TACB2J683□
		0.082				9.6	9.2			2.38		FTACB631V823□DLCZO	TACB2J823□
		0.1				10.3	9.8			2.62		FTACB631V104□DLCZO	TACB2J104□
	0.12	11.0		10.5	2.88	FTACB631V124□DLCZO	TACB2J124□						
	0.15	11.9	11.4	3.21	FTACB631V154□DLCZO	TACB2J154□							
	0.18	18.2	12.3	11.8	12.5	0.8	3.10	FTACB631V184□HLGZO	TACB2J184□				
	0.22		13.4	12.8			3.42	FTACB631V224□HLGZO	TACB2J224□				
	0.27		14.6	13.9			3.79	FTACB631V274□HLGZO	TACB2J274□				
	0.33		13.5	12.9			3.04	FTACB631V334□ELHZO	TACB2J334□				
0.39	14.5		13.8	3.30			FTACB631V394□ELHZO	TACB2J394□					
0.47	23.2	15.6	14.9	17.5	1.0	3.63	FTACB631V474□ELHZO	TACB2J474□					
0.56		16.8	16.0			3.96	FTACB631V564□ELHZO	TACB2J564□					
0.68		18.3	17.4			4.36	FTACB631V684□ELHZO	TACB2J684□					
0.82		19.9	18.9			4.79	FTACB631V824□ELHZO	TACB2J824□					
1.0		19.2	18.3			4.16	FTACB631V105□FLEZO	TACB2J105□					
1.2	28.2	20.8	19.8	22.5	1.0	4.55	FTACB631V125□FLEZO	TACB2J125□					
1.5		23.0	22.0			5.09	FTACB631V155□FLEZO	TACB2J155□					
1.8		25.1	23.9			5.58	FTACB631V185□FLEZO	TACB2J185□					
2.2		27.5	26.2			6.17	FTACB631V225□FLEZO	TACB2J225□					
2.7		23.8	22.7			4.17	FTACB631V275□TLJZO	TACB2J275□					
3.3	43.2	26.0	24.8	37.5	1.0	4.61	FTACB631V335□TLJZO	TACB2J335□					
3.9		28.0	26.7			5.01	FTACB631V395□TLJZO	TACB2J395□					

(1)The symbol "□" is Capacitance tolerance code. (J : ±5%, K : ±10%)

(2)The maximum ripple current : +85°C max., 100kHz, sine wave

(3)WV(Vac) : 50Hz or 60Hz, sine wave

◆STANDARD RATINGS

WV (Vdc)	Cap (μ F)	Dimensions (mm)					Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	ϕ d				
800	0.033	16.2	9.0	8.6	10.0	0.8	1.81	250	FTACB801V333□DLCZ0	TACB2K333□
	0.039		9.5	9.1			1.97		FTACB801V393□DLCZ0	TACB2K393□
	0.047		10.1	9.7			2.16		FTACB801V473□DLCZ0	TACB2K473□
	0.056		10.8	10.3			2.36		FTACB801V563□DLCZ0	TACB2K563□
	0.068		11.5	11.0			2.60		FTACB801V683□DLCZ0	TACB2K683□
	0.082		12.5	11.9			2.85		FTACB801V823□DLCZ0	TACB2K823□
	0.1	12.3	11.8	2.67	FTACB801V104□HLGZ0	TACB2K104□				
	0.12	18.2	13.3	12.7	2.92	FTACB801V124□HLGZ0	TACB2K124□			
	0.15	14.6	13.9	3.26	FTACB801V154□HLGZ0	TACB2K154□				
	0.18	13.4	12.8	2.59	FTACB801V184□ELHZ0	TACB2K184□				
	0.22	23.2	14.5	13.8	2.87	FTACB801V224□ELHZ0	TACB2K224□			
	0.27	15.8	15.1	3.17	FTACB801V274□ELHZ0	TACB2K274□				
	0.33	17.2	16.4	3.51	FTACB801V334□ELHZ0	TACB2K334□				
	0.39	18.5	17.6	3.82	FTACB801V394□ELHZ0	TACB2K394□				
	0.47	20.1	19.1	4.19	FTACB801V474□ELHZ0	TACB2K474□				
	0.56	28.2	19.2	18.3	3.59	FTACB801V564□FLEZ0	TACB2K564□			
	0.68	20.9	19.9	3.96	FTACB801V684□FLEZ0	TACB2K684□				
	0.82	22.8	21.8	4.35	FTACB801V824□FLEZ0	TACB2K824□				
	1.0	25.0	23.8	4.80	FTACB801V105□FLEZ0	TACB2K105□				
	1.2	27.2	25.9	5.26	FTACB801V125□FLEZ0	TACB2K125□				

(1)The symbol "□" is Capacitance tolerance code. (J : \pm 5%, K : \pm 10%)

(2)The maximum ripple current : +85°C max., 100kHz, sine wave

(3)WV(Vac) : 50Hz or 60Hz, sine wave

◆DIMENSIONS (mm)

