

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℃						
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.						
	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℃.						
	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℃ 90~95%RH.						
	Appearance	No serious degradation.					
	Insulation resistance (Terminal - Terminal)	No less than 10000MΩ : Equal or less than 0.33μF.					
		No less than 3000ΩF : More than 0.3μF.					
	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 (V _{ac})	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	18.2	12.9	12.3	5.03		FTACB251V125□HLGZ0		TACB2E125□	
	1.5		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	28.2	19.3	18.4	6.38	FTACB251V565□FLEZ0	TACB2E565□			
	6.8		21.0	20.0	7.03	FTACB251V685□FLEZ0	TACB2E685□			
	8.2		22.1	21.9	7.72	FTACB251V825□FLEZ0	TACB2E825□			
	10		25.2	24.0	8.52	FTACB251V106□FLEZ0	TACB2E106□			
	12	43.2	27.3	26.0	9.34	FTACB251V126□FLEZ0	TACB2E126□			
	15		24.2	23.1	6.45	FTACB251V156□TLJZ0	TACB2E156□			
	18		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	18.2	13.2	12.6	4.94		FTACB3B1V684□DLCZ0		TACB2F684□	
	0.82		13.2	12.6	4.65		FTACB3B1V824□HLGZ0		TACB2F824□	
	1.0		14.4	13.7	5.14		FTACB3B1V105□HLGZ0		TACB2E105□	

(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 (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□ELHZ0	TACB2F125□
	1.5		14.8	14.1			4.65		FTACB3B1V155□ELHZ0	TACB2F155□
	1.8		15.9	15.2			5.09		FTACB3B1V185□ELHZ0	TACB2F185□
	2.2		17.3	16.5			5.63		FTACB3B1V225□ELHZ0	TACB2F225□
	2.7		19.0	18.1			6.24		FTACB3B1V275□ELHZ0	TACB2F275□
	3.3	28.2	18.6	17.7	22.5	1.0	5.47		FTACB3B1V335□FLEZ0	TACB2F335□
	3.9		20.0	19.0			5.95		FTACB3B1V395□FLEZ0	TACB2F395□
	4.7		21.8	20.7			6.53		FTACB3B1V475□FLEZ0	TACB2F475□
	5.6		23.6	22.5			7.13		FTACB3B1V565□FLEZ0	TACB2F565□
	6.8		25.8	24.6			7.86		FTACB3B1V685□FLEZ0	TACB2F685□
	8.2		28.1	26.8			8.63		FTACB3B1V825□FLEZ0	TACB2F825□
400	0.1	16.2	9.2	8.8	10.0	0.8	2.40	175	FTACB401V104□DLCZ0	TACB2G104□
	0.12		9.7	9.3			2.62		FTACB401V124□DLCZ0	TACB2G124□
	0.15		10.5	10.1			2.93		FTACB401V154□DLCZ0	TACB2G154□
	0.18		11.2	10.7			3.21		FTACB401V184□DLCZ0	TACB2G184□
	0.22		12.1	11.6			3.55		FTACB401V224□DLCZ0	TACB2G224□
	0.27	18.2	13.1	12.5			3.94		FTACB401V274□DLCZ0	TACB2G274□
	0.33		13.2	12.6			3.71		FTACB401V334□HLGZ0	TACB2G334□
	0.39		14.1	13.5			4.04		FTACB401V394□HLGZ0	TACB2G394□
	0.47		15.2	14.5			4.43		FTACB401V474□HLGZ0	TACB2G474□
	0.56	23.2	14.1	13.5			3.54		FTACB401V564□ELHZ0	TACB2G564□
	0.68		15.3	14.6			3.90		FTACB401V684□ELHZ0	TACB2G684□
	0.82		16.6	15.8			4.29		FTACB401V824□ELHZ0	TACB2G824□
	1.0		18.1	17.2			4.73		FTACB401V105□ELHZ0	TACB2G105□
	1.2		19.6	18.6			5.19		FTACB401V125□ELHZ0	TACB2G125□
	1.5	28.2	19.2	18.3	22.5	1.0	4.58		FTACB401V155□FLEZ0	TACB2G155□
	1.8		20.8	19.8			5.02		FTACB401V185□FLEZ0	TACB2G185□
	2.2		22.8	21.8			5.55		FTACB401V225□FLEZ0	TACB2G225□
	2.7		25.1	23.9			6.15		FTACB401V275□FLEZ0	TACB2G275□
	3.3		27.5	26.2			6.79		FTACB401V335□FLEZ0	TACB2G335□
	3.9	43.2	23.9	22.8			4.57		FTACB401V395□TLJZ0	TACB2G395□
	4.7		25.9	24.7			5.02		FTACB401V475□TLJZ0	TACB2G475□
	5.6		28.1	26.8			5.48		FTACB401V565□TLJZ0	TACB2G565□
630	0.056	16.2	8.5	8.2	10.0	0.8	1.96	200	FTACB631V563□DLCZ0	TACB2J563□
	0.068		9.1	8.7			2.16		FTACB631V683□DLCZ0	TACB2J683□
	0.082		9.6	9.2			2.38		FTACB631V823□DLCZ0	TACB2J823□
	0.1		10.3	9.8			2.62		FTACB631V104□DLCZ0	TACB2J104□
	0.12	18.2	11.0	10.5			2.88		FTACB631V124□DLCZ0	TACB2J124□
	0.15		11.9	11.4			3.21		FTACB631V154□DLCZ0	TACB2J154□
	0.18		12.3	11.8			3.10		FTACB631V184□HLGZ0	TACB2J184□
	0.22		13.4	12.8			3.42		FTACB631V224□HLGZ0	TACB2J224□
	0.27		14.6	13.9			3.79		FTACB631V274□HLGZ0	TACB2J274□
	0.33	23.2	13.5	12.9			3.04		FTACB631V334□ELHZ0	TACB2J334□
	0.39		14.5	13.8			3.30		FTACB631V394□ELHZ0	TACB2J394□
	0.47		15.6	14.9			3.63		FTACB631V474□ELHZ0	TACB2J474□
	0.56		16.8	16.0			3.96		FTACB631V564□ELHZ0	TACB2J564□
	0.68		18.3	17.4			4.36		FTACB631V684□ELHZ0	TACB2J684□
	0.82	28.2	19.9	18.9			4.79		FTACB631V824□ELHZ0	TACB2J824□
	1.0		19.2	18.3	22.5	1.0	4.16		FTACB631V105□FLEZ0	TACB2J105□
	1.2		20.8	19.8			4.55		FTACB631V125□FLEZ0	TACB2J125□
	1.5		23.0	22.0			5.09		FTACB631V155□FLEZ0	TACB2J155□
	1.8		25.1	23.9			5.58		FTACB631V185□FLEZ0	TACB2J185□
	2.2		27.5	26.2			6.17		FTACB631V225□FLEZ0	TACB2J225□
	2.7	43.2	23.8	22.7			4.17		FTACB631V275□TLJZ0	TACB2J275□
	3.3		26.0	24.8			4.61		FTACB631V335□TLJZ0	TACB2J335□
	3.9		28.0	26.7			5.01		FTACB631V395□TLJZ0	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 (μF)	Dimensions (mm)					Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	φd				
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	18.2	12.3	11.8	12.5		2.67		FTACB801V104□HLGZ0	TACB2K104□
	0.12		13.3	12.7			2.92		FTACB801V124□HLGZ0	TACB2K124□
	0.15		14.6	13.9			3.26		FTACB801V154□HLGZ0	TACB2K154□
	0.18	23.2	13.4	12.8	17.5		2.59		FTACB801V184□ELHZ0	TACB2K184□
	0.22		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	22.5	1.0	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 : ±5%, K : ±10%)

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

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

◆DIMENSIONS (mm)

