

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)						
Voltage proof (Terminal - Terminal)	No degradation, at 150% of rated voltage shall be applied fpr 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 (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				
250	0.33	16.2	8.6	8.3	10.0	0.8	3.08	125	FTACB251V334JDL CZ0	TACB2E334J
	0.39		9.2	8.8			3.34		FTACB251V394JDL CZ0	TACB2E394J
	0.47		9.7	9.3			3.67		FTACB251V474JDL CZ0	TACB2E474J
	0.56		10.3	9.8			4.01		FTACB251V564JDL CZ0	TACB2E564J
	0.68		11.1	10.6			4.42		FTACB251V684JDL CZ0	TACB2E684J
	0.82		11.9	11.4			4.85		FTACB251V824JDL CZ0	TACB2E824J
	1.0	18.2	12.9	12.3	12.5	5.35	FTACB251V105JDL CZ0		TACB2E105J	
	1.2		12.9	12.3		5.03	FTACB251V125JHL GZ0		TACB2E125J	
	1.5		14.1	13.5		5.63	FTACB251V155JHL GZ0		TACB2E155J	
	1.8		15.2	14.5		6.17	FTACB251V185JHL GZ0		TACB2E185J	
	2.2		14.5	13.8		5.04	FTACB251V225JEL HZ0		TACB2E225J	
	2.7		15.7	15.0		5.58	FTACB251V275JEL HZ0		TACB2E275J	
	3.3	23.2	17.1	16.3	17.5	6.17	FTACB251V335JEL HZ0		TACB2E335J	
	3.9		18.4	17.5		6.71	FTACB251V395JEL HZ0		TACB2E395J	
	4.7		20.0	19.0		7.36	FTACB251V475JEL HZ0		TACB2E475J	
	5.6		19.3	18.4		6.38	FTACB251V565JFLE Z0		TACB2E565J	
	6.8	28.2	21.0	20.0	22.5	7.03	FTACB251V685JFLE Z0		TACB2E685J	
	8.2		22.1	21.9		7.72	FTACB251V825JFLE Z0		TACB2E825J	
	10		25.2	24.0		8.52	FTACB251V106JFLE Z0		TACB2E106J	
	12		27.3	26.0		9.34	FTACB251V126JFLE Z0		TACB2E126J	
	15		24.2	23.1		6.45	FTACB251V156JTL JZ0		TACB2E156J	
	18		26.3	25.1		7.07	FTACB251V186JTL JZ0		TACB2E186J	
22	43.2	28.9	27.5	37.5	7.81	FTACB251V226JTL JZ0	TACB2E226J			
315	0.22	16.2	8.7	8.3	10.0	0.8	2.81	150	FTACB3B1V224JDL CZ0	TACB2F224J
	0.27		9.3	9.0			3.11		FTACB3B1V274JDL CZ0	TACB2F274J
	0.33		10.0	9.6			3.44		FTACB3B1V334JDL CZ0	TACB2F334J
	0.39		10.7	10.2			3.74		FTACB3B1V394JDL CZ0	TACB2F394J
	0.47		11.4	10.9			4.10		FTACB3B1V474JDL CZ0	TACB2F474J
	0.56		12.1	11.6			4.48		FTACB3B1V564JDL CZ0	TACB2F564J
	0.68	18.2	13.2	12.6	12.5	4.94	FTACB3B1V684JDL CZ0		TACB2F684J	
	0.82		13.2	12.6		4.65	FTACB3B1V824JHL GZ0		TACB2F824J	
	1.0		14.4	13.7		5.14	FTACB3B1V105JHL GZ0		TACB2F105J	

- (1)Capacitance tolerance : Standard (J:±5%) , Option (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	FTACB3B1V125JELHZ0	TACB2F125J	
	1.5		14.8	14.1			4.65		FTACB3B1V155JELHZ0	TACB2F155J	
	1.8		15.9	15.2			5.09		FTACB3B1V185JELHZ0	TACB2F185J	
	2.2		17.3	16.5			5.63		FTACB3B1V225JELHZ0	TACB2F225J	
	2.7		19.0	18.1			6.24		FTACB3B1V275JELHZ0	TACB2F275J	
	3.3	28.2	18.6	17.7	22.5	1.0	5.47		FTACB3B1V335JFLEZ0	TACB2F335J	
	3.9		20.0	19.0			5.95		FTACB3B1V395JFLEZ0	TACB2F395J	
	4.7		21.8	20.7			6.53		FTACB3B1V475JFLEZ0	TACB2F475J	
	5.6		23.6	22.5			7.13		FTACB3B1V565JFLEZ0	TACB2F565J	
	6.8		25.8	24.6			7.86		FTACB3B1V685JFLEZ0	TACB2F685J	
8.2		28.1	26.8			8.63	FTACB3B1V825JFLEZ0	TACB2F825J			
400	0.1	16.2	9.2	8.8	10.0	0.8	2.40	175	FTACB401V104JDLCZ0	TACB2G104J	
	0.12		9.7	9.3			2.62		FTACB401V124JDLCZ0	TACB2G124J	
	0.15		10.5	10.1			2.93		FTACB401V154JDLCZ0	TACB2G154J	
	0.18		11.2	10.7			3.21		FTACB401V184JDLCZ0	TACB2G184J	
	0.22		12.1	11.6			3.55		FTACB401V224JDLCZ0	TACB2G224J	
	0.27	18.2	13.1	12.5	3.94		FTACB401V274JDLCZ0		TACB2G274J		
	0.33		13.2	12.6	3.71		FTACB401V334JHLGZ0		TACB2G334J		
	0.39		14.1	13.5	4.04		FTACB401V394JHLGZ0		TACB2G394J		
	0.47		15.2	14.5	4.43		FTACB401V474JHLGZ0		TACB2G474J		
	0.56	23.2	14.1	13.5	17.5		1.0		3.54	FTACB401V564JELHZ0	TACB2G564J
	0.68		15.3	14.6					3.90	FTACB401V684JELHZ0	TACB2G684J
	0.82		16.6	15.8					4.29	FTACB401V824JELHZ0	TACB2G824J
	1.0		18.1	17.2					4.73	FTACB401V105JELHZ0	TACB2G105J
	1.2		19.6	18.6					5.19	FTACB401V125JELHZ0	TACB2G125J
	1.5	28.2	19.2	18.3	22.5	1.0			4.58	FTACB401V155JFLEZ0	TACB2G155J
	1.8		20.8	19.8					5.02	FTACB401V185JFLEZ0	TACB2G185J
	2.2		22.8	21.8					5.55	FTACB401V225JFLEZ0	TACB2G225J
	2.7		25.1	23.9					6.15	FTACB401V275JFLEZ0	TACB2G275J
	3.3		27.5	26.2					6.79	FTACB401V335JFLEZ0	TACB2G335J
	3.9	43.2	23.9	22.8	4.57				FTACB401V395JTLJZ0	TACB2G395J	
4.7	25.9		24.7	5.02	FTACB401V475JTLJZ0			TACB2G475J			
5.6	28.1		26.8	5.48	FTACB401V565JTLJZ0			TACB2G565J			
630	0.056	16.2	8.5	8.2	10.0	0.8		1.96	200	FTACB631V563JDLCZ0	TACB2J563J
	0.068		9.1	8.7			2.16	FTACB631V683JDLCZ0		TACB2J683J	
	0.082		9.6	9.2			2.38	FTACB631V823JDLCZ0		TACB2J823J	
	0.1		10.3	9.8			2.62	FTACB631V104JDLCZ0		TACB2J104J	
	0.12		11.0	10.5			2.88	FTACB631V124JDLCZ0		TACB2J124J	
	0.15	18.2	11.9	11.4	12.5		3.21	FTACB631V154JDLCZ0		TACB2J154J	
	0.18		12.3	11.8			3.10	FTACB631V184JHLGZ0		TACB2J184J	
	0.22		13.4	12.8			3.42	FTACB631V224JHLGZ0		TACB2J224J	
	0.27		14.6	13.9			3.79	FTACB631V274JHLGZ0		TACB2J274J	
	0.33	23.2	13.5	12.9	17.5		3.04	FTACB631V334JELHZ0		TACB2J334J	
	0.39		14.5	13.8			3.30	FTACB631V394JELHZ0		TACB2J394J	
	0.47		15.6	14.9			3.63	FTACB631V474JELHZ0		TACB2J474J	
	0.56		16.8	16.0			3.96	FTACB631V564JELHZ0		TACB2J564J	
	0.68		18.3	17.4			4.36	FTACB631V684JELHZ0		TACB2J684J	
	0.82	28.2	19.9	18.9	22.5	1.0	4.79	FTACB631V824JELHZ0		TACB2J824J	
	1.0		19.2	18.3			4.16	FTACB631V105JFLEZ0		TACB2J105J	
	1.2		20.8	19.8			4.55	FTACB631V125JFLEZ0		TACB2J125J	
	1.5		23.0	22.0			5.09	FTACB631V155JFLEZ0		TACB2J155J	
	1.8		25.1	23.9			5.58	FTACB631V185JFLEZ0		TACB2J185J	
	2.2	43.2	27.5	26.2	6.17		FTACB631V225JFLEZ0	TACB2J225J			
2.7	23.8		22.7	4.17	FTACB631V275JTLJZ0		TACB2J275J				
3.3	26.0		24.8	37.5			4.61	FTACB631V335JTLJZ0	TACB2J335J		
3.9	28.0		26.7				5.01	FTACB631V395JTLJZ0	TACB2J395J		

(1)Capacitance tolerance : Standard (J: ± 5%) , Option (K:± 10%)

(2)The maximum ripple current : +85℃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	FTACB801V333JDL CZ0	TACB2K333J
	0.039		9.5	9.1			1.97		FTACB801V393JDL CZ0	TACB2K393J
	0.047		10.1	9.7			2.16		FTACB801V473JDL CZ0	TACB2K473J
	0.056		10.8	10.3			2.36		FTACB801V563JDL CZ0	TACB2K563J
	0.068		11.5	11.0			2.60		FTACB801V683JDL CZ0	TACB2K683J
	0.082	18.2	12.5	11.9	12.5	0.8	2.85		FTACB801V823JDL CZ0	TACB2K823J
	0.1		12.3	11.8			2.67		FTACB801V104JHLGZ0	TACB2K104J
	0.12		13.3	12.7			2.92		FTACB801V124JHLGZ0	TACB2K124J
	0.15		14.6	13.9			3.26		FTACB801V154JHLGZ0	TACB2K154J
	0.18		13.4	12.8			2.59		FTACB801V184JELHZ0	TACB2K184J
	0.22	23.2	14.5	13.8	2.87		FTACB801V224JELHZ0		TACB2K224J	
	0.27		15.8	15.1	3.17		FTACB801V274JELHZ0		TACB2K274J	
	0.33		17.2	16.4	3.51		FTACB801V334JELHZ0		TACB2K334J	
	0.39		18.5	17.6	3.82		FTACB801V394JELHZ0		TACB2K394J	
	0.47		20.1	19.1	4.19		FTACB801V474JELHZ0		TACB2K474J	
	0.56	28.2	19.2	18.3	22.5	1.0	3.59		FTACB801V564JFLEZ0	TACB2K564J
	0.68		20.9	19.9			3.96		FTACB801V684JFLEZ0	TACB2K684J
	0.82		22.8	21.8			4.35		FTACB801V824JFLEZ0	TACB2K824J
	1.0		25.0	23.8			4.80		FTACB801V105JFLEZ0	TACB2K105J
	1.2		27.2	25.9			5.26		FTACB801V125JFLEZ0	TACB2K125J

- (1)Capacitance tolerance:Standard(J:±5%),Option(K:±10%)
(2)The maximum ripple current : +85°C max., 100kHz, sine wave
(3)WV(Vac) : 50Hz or 60Hz, sine wave

◆DIMENSIONS (mm)

