



ELECTRONIC EQUIPMENT FILM CAPACITOR

TACD Series

- Maximum operating temperature 105°C.
- Allowable temperature rise 15K max.
- Downsizing of TACB series.



◆SPECIFICATIONS

Items	Characteristics						
Category temperature range	-40 to +105°C						
Rated voltage range	250 to 1000V _{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)	Not more than 0.05% : Equal or less than 1μF. Not 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	1000
	Measurement voltage (V _{dc})	100	100	100	500	500	500
Endurance	The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 105°C.						
	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.						
	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.					

◆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	0.82	16.2	10.8	10.3	10.0	0.8	4.94	100	FTACD251V824□DLCZ0	TACD2E824□	
	1.0		11.6	11.1			5.45		FTACD251V105□DLCZ0	TACD2E105□	
	1.2		12.5	11.9			5.97		FTACD251V125□DLCZ0	TACD2E125□	
	1.5		13.6	13.0			6.67		FTACD251V155□DLCZ0	TACD2E155□	
	1.8		14.7	14.0			7.31		FTACD251V185□DLCZ0	TACD2E185□	
	2.2	23.2	15.9	15.2	17.5	0.8	8.08		FTACD251V225□DLCZ0	TACD2E225□	
	2.7		14.0	13.4			6.05		FTACD251V275□ELHZ0	TACD2E275□	
	3.3		15.2	14.5			6.69		FTACD251V335□ELHZ0	TACD2E335□	
	3.9		16.4	15.6			7.27		FTACD251V395□ELHZ0	TACD2E395□	
	4.7		17.8	16.9			7.98		FTACD251V475□ELHZ0	TACD2E475□	
	5.6	28.2	17.1	16.3	22.5	1.0	7.15		FTACD251V565□FLEZ0	TACD2E565□	
	6.8		18.7	17.8			7.88		FTACD251V685□FLEZ0	TACD2E685□	
	8.2		20.3	19.3			8.65		FTACD251V825□FLEZ0	TACD2E825□	
	10		22.2	21.2			9.34		FTACD251V106□FLEZ0	TACD2E106□	
	12		24.1	23.0			9.34		FTACD251V126□FLEZ0	TACD2E126□	
	15		26.8	25.5			9.34		FTACD251V156□FLEZ0	TACD2E156□	
315	0.33	16.2	8.6	8.2	10.0	0.8	3.44	125	FTACD3B1V334□DLCZ0	TACD2F334□	
	0.39		9.1	8.7			3.74		FTACD3B1V394□DLCZ0	TACD2F394□	
	0.47		9.7	9.2			4.10		FTACD3B1V474□DLCZ0	TACD2F474□	
	0.56		10.3	9.8			4.48		FTACD3B1V564□DLCZ0	TACD2F564□	
	0.68		11.0	10.5			4.94		FTACD3B1V684□DLCZ0	TACD2F684□	
	0.82	11.9	11.3	5.34	FTACD3B1V824□DLCZ0		TACD2F824□				
	1.0	18.2	12.8	12.2	12.5		0.8		5.90	FTACD3B1V105□DLCZ0	TACD2F105□
	1.2		12.9	12.3					5.66	FTACD3B1V125□HLGZ0	TACD2F125□
	1.5		14.1	13.4					6.33	FTACD3B1V155□HLGZ0	TACD2F155□
	1.8		15.2	14.5					6.94	FTACD3B1V185□HLGZ0	TACD2F185□
	2.2		14.4	13.7		5.90			FTACD3B1V225□ELHZ0	TACD2F225□	
	2.7	23.2	15.6	14.9	17.5	0.8	6.54		FTACD3B1V275□ELHZ0	TACD2F275□	
	3.3		17.1	16.3			7.23		FTACD3B1V335□ELHZ0	TACD2F335□	
	3.9		18.3	17.5			7.86		FTACD3B1V395□ELHZ0	TACD2F395□	
	4.7		19.9	19.0			8.63		FTACD3B1V475□ELHZ0	TACD2F475□	
	5.6		28.2	19.3			18.4		22.5	1.0	7.74
	6.8	21.0		20.0	8.53	FTACD3B1V685□FLEZ0	TACD2F685□				
	8.2	22.9		21.8	9.34	FTACD3B1V825□FLEZ0	TACD2F825□				
	10	25.1		23.9	9.34	FTACD3B1V106□FLEZ0	TACD2F106□				
	12	27.3		26.0	9.34	FTACD3B1V126□FLEZ0	TACD2F126□				
	15	43.2	24.2	23.1	37.5	1.0	8.48		FTACD3B1V156□TLJZ0		TACD2F156□
	18		26.3	25.1			9.29		FTACD3B1V186□TLJZ0		TACD2F186□
22	28.9		27.5	9.34			FTACD3B1V226□TLJZ0	TACD2F226□			

(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					
400	0.22	16.2	8.7	8.3	10.0	0.8	3.55	150	FTACD401V224□DLCZ0	TACD2G224□	
	0.27		9.3	8.9			3.94		FTACD401V274□DLCZ0	TACD2G274□	
	0.33		10.0	9.5			3.88		FTACD401V334□DLCZ0	TACD2G334□	
	0.39		10.6	10.1			4.22		FTACD401V394□DLCZ0	TACD2G394□	
	0.47		11.4	10.8			4.63		FTACD401V474□DLCZ0	TACD2G474□	
	0.56		12.2	11.6			5.05		FTACD401V564□DLCZ0	TACD2G564□	
	0.68	18.2	13.1	12.5	12.5	0.8	5.57		FTACD401V684□DLCZ0	TACD2G684□	
	0.82		13.2	12.6			5.35		FTACD401V824□HLGZ0	TACD2G824□	
	1.0		14.3	13.7			5.91		FTACD401V105□HLGZ0	TACD2G105□	
	1.2	23.2	13.4	12.8	17.5	0.8	5.19		FTACD401V125□ELHZ0	TACD2G125□	
	1.5		14.7	14.1			5.57		FTACD401V155□ELHZ0	TACD2G155□	
	1.8		15.9	15.2			6.10		FTACD401V185□ELHZ0	TACD2G185□	
	2.2		17.4	16.5			6.75		FTACD401V225□ELHZ0	TACD2G225□	
	2.7	28.2	19.0	18.1	22.5	1.0	7.48		FTACD401V275□ELHZ0	TACD2G275□	
	3.3		18.6	17.7			6.79		FTACD401V335□FLEZ0	TACD2G335□	
	3.9		20.0	19.1			7.39		FTACD401V395□FLEZ0	TACD2G395□	
	4.7		21.8	20.7			8.11		FTACD401V475□FLEZ0	TACD2G475□	
	5.6		23.6	22.5			8.85		FTACD401V565□FLEZ0	TACD2G565□	
	6.8		25.8	24.5			9.34		FTACD401V685□FLEZ0	TACD2G685□	
	8.2		28.1	26.8			9.34		FTACD401V825□FLEZ0	TACD2G825□	
630	0.1	16.2	9.1	8.7	10.0	0.8	2.72	175	FTACD631V104□DLCZ0	TACD2J104□	
	0.12		9.6	9.2			2.98		FTACD631V124□DLCZ0	TACD2J124□	
	0.15		10.4	10.0			3.33		FTACD631V154□DLCZ0	TACD2J154□	
	0.18		11.2	10.7			3.65		FTACD631V184□DLCZ0	TACD2J184□	
	0.22		12.0	11.5			4.04		FTACD631V224□DLCZ0	TACD2J224□	
	0.27	18.2	13.1	12.5	12.5	0.8	4.47		FTACD631V274□DLCZ0	TACD2J274□	
	0.33		13.1	12.5			4.33		FTACD631V334□HLGZ0	TACD2J334□	
	0.39		14.0	13.4			4.70		FTACD631V394□HLGZ0	TACD2J394□	
	0.47		15.2	14.5			5.16		FTACD631V474□HLGZ0	TACD2J474□	
	0.56	23.2	14.0	13.4	17.5	0.8	4.35		FTACD631V564□ELHZ0	TACD2J564□	
	0.68		15.2	14.5			4.79		FTACD631V684□ELHZ0	TACD2J684□	
	0.82		16.5	15.7			5.26		FTACD631V824□ELHZ0	TACD2J824□	
	1.0		18.0	17.1			5.81		FTACD631V105□ELHZ0	TACD2J105□	
	1.2	28.2	19.5	18.6	22.5	1.0	6.36		FTACD631V125□ELHZ0	TACD2J125□	
	1.5		19.1	18.2			5.84		FTACD631V155□FLEZ0	TACD2J155□	
	1.8		20.8	19.8			6.40		FTACD631V185□FLEZ0	TACD2J185□	
	2.2		22.7	21.7			7.08		FTACD631V225□FLEZ0	TACD2J225□	
	2.7		25.0	23.8			7.84		FTACD631V275□FLEZ0	TACD2J275□	
	3.3		27.4	26.1			8.67		FTACD631V335□FLEZ0	TACD2J335□	
	3.9	43.2	23.9	22.8	37.5	1.0	6.30		FTACD631V395□TLJZ0	TACD2J395□	
	4.7		25.9	24.7			6.92		FTACD631V475□TLJZ0	TACD2J475□	
	5.6		28.1	26.8			7.55		FTACD631V565□TLJZ0	TACD2J565□	
800	0.056	16.2	8.5	8.1	10.0	0.8	2.36	200	FTACD801V563□DLCZ0	TACD2K563□	
	0.068		9.0	8.6			2.60		FTACD801V683□DLCZ0	TACD2K683□	
	0.082		9.6	9.2			2.85		FTACD801V823□DLCZ0	TACD2K823□	
	0.1		10.3	9.8			3.04		FTACD801V104□DLCZ0	TACD2K104□	
	0.12		11.0	10.5			3.33		FTACD801V124□DLCZ0	TACD2K124□	
	0.15	18.2	12.0	11.4	12.5		3.72		FTACD801V154□DLCZ0	TACD2K154□	
	0.18		12.4	11.8			3.56		FTACD801V184□HLGZ0	TACD2K184□	
	0.22		13.4	12.8			3.94		FTACD801V224□HLGZ0	TACD2K224□	
	0.27		14.6	13.9			4.36		FTACD801V274□HLGZ0	TACD2K274□	
	0.33	23.2	13.5	12.9	17.5	0.8	3.72		FTACD801V334□ELHZ0	TACD2K334□	
	0.39		14.4	13.8			4.05		FTACD801V394□ELHZ0	TACD2K394□	
	0.47		15.6	14.9			4.44		FTACD801V474□ELHZ0	TACD2K474□	
	0.56		16.8	16.0			4.85		FTACD801V564□ELHZ0	TACD2K564□	
	0.68	28.2	18.3	17.5	22.5	1.0	5.34		FTACD801V684□ELHZ0	TACD2K684□	
	0.82		19.9	19.0			5.87		FTACD801V824□ELHZ0	TACD2K824□	
	1.0		19.2	18.3			5.32		FTACD801V105□FLEZ0	TACD2K105□	
	1.2		20.8	19.9			5.83		FTACD801V125□FLEZ0	TACD2K125□	
	1.5		23.0	22.0			6.52		FTACD801V155□FLEZ0	TACD2K155□	
	1.8		25.1	23.9			7.14		FTACD801V185□FLEZ0	TACD2K185□	
	2.2		27.5	26.2			7.89		FTACD801V225□FLEZ0	TACD2K225□	
	2.7	43.2	23.8	22.7	37.5		5.85		FTACD801V275□TLJZ0	TACD2K275□	
	3.3		26.0	24.8			6.47		FTACD801V335□TLJZ0	TACD2K335□	
	3.9		28.0	26.7			7.03		FTACD801V395□TLJZ0	TACD2K395□	

(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				
1000	0.033	16.2	8.9	8.5	10.0	0.8	2.07	250	FTACD102V333□DLCZ0	TACD3A333□
	0.039		9.4	9.0			2.25		FTACD102V393□DLCZ0	TACD3A393□
	0.047		10.0	9.6			2.47		FTACD102V473□DLCZ0	TACD3A473□
	0.056		10.7	10.2			2.70		FTACD102V563□DLCZ0	TACD3A563□
	0.068		11.5	11.0			2.98		FTACD102V683□DLCZ0	TACD3A683□
	0.082		12.4	11.8			3.27		FTACD102V823□DLCZ0	TACD3A823□
	0.1	18.2	12.3	11.7	12.5	0.8	3.16		FTACD102V104□HLGZ0	TACD3A104□
	0.12		13.2	12.6			3.46		FTACD102V124□HLGZ0	TACD3A124□
	0.15		14.5	13.8			3.87		FTACD102V154□HLGZ0	TACD3A154□
	0.18	23.2	13.3	12.7	17.5	0.8	3.27		FTACD102V184□ELHZ0	TACD3A184□
	0.22		14.4	13.8			3.61		FTACD102V224□ELHZ0	TACD3A224□
	0.27		15.8	15.0			4.00		FTACD102V274□ELHZ0	TACD3A274□
	0.33		17.2	16.4			4.42		FTACD102V334□ELHZ0	TACD3A334□
	0.39		18.5	17.6			4.81		FTACD102V394□ELHZ0	TACD3A394□
	0.47		20.1	19.1			5.28		FTACD102V474□ELHZ0	TACD3A474□
	0.56	28.2	19.2	18.3	22.5	1.0	4.74		FTACD102V564□FLEZ0	TACD3A564□
	0.68		20.9	19.9			5.22		FTACD102V684□FLEZ0	TACD3A684□
	0.82		22.8	21.7			5.73		FTACD102V824□FLEZ0	TACD3A824□
	1.0		24.9	23.7			6.33		FTACD102V105□FLEZ0	TACD3A105□
	1.2		27.1	25.8			6.93		FTACD102V125□FLEZ0	TACD3A125□

(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)

