



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		15.9	15.2			8.08		FTACD251V225□DLCZ0	TACD2E225□
	2.7	23.2	14.0	13.4	17.5	1.0	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		17.1	16.3			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	12.8	12.2	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	15.6	14.9	6.54	FTACD3B1V275□ELHZ0	TACD2F275□				
	3.3	23.2	17.1	16.3	17.5	1.0	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		FTACD3B1V565□FLEZ0	TACD2F565□
	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		24.2	23.1			8.48		FTACD3B1V156□TLJZ0	TACD2F156□
18	43.2	26.3	25.1	37.5	1.0	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



ELECTRONIC EQUIPMENT FILM CAPACITOR

TACD Series

◆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	13.1	12.5	5.57	FTACD401V684□DLCZ0		TACD2G684□						
	0.82	13.2	12.6	5.35	FTACD401V824□HLGZ0		TACD2G824□						
	1.0	18.2	14.3	13.7	5.91		FTACD401V105□HLGZ0		TACD2G105□				
	1.2		13.4	12.8	5.19		FTACD401V125□ELHZ0		TACD2G125□				
	1.5	23.2	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		19.0	18.1	7.48		FTACD401V275□ELHZ0		TACD2G275□				
	3.3	28.2	18.6	17.7	22.5		1.0		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	13.1		12.5	4.47	FTACD631V274□DLCZ0	TACD2J274□						
	0.33	18.2	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		14.0	13.4	4.35	FTACD631V564□ELHZ0	TACD2J564□						
	0.68	23.2	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		19.5	18.6	6.36	FTACD631V125□ELHZ0	TACD2J125□						
	1.5	28.2	19.1	18.2	22.5	1.0	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		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		12.0	11.4	3.72			FTACD801V154□DLCZ0	TACD2K154□				
	0.18	18.2	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		13.5	12.9	3.72	FTACD801V334□ELHZ0		TACD2K334□					
	0.39	23.2	14.4	13.8	17.5	1.0		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		18.3	17.5				5.34	FTACD801V684□ELHZ0		TACD2K684□		
	0.82	28.2	19.9	19.0	22.5	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 (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				
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	12.3	11.7	3.16	FTACD102V104□HLGZ0	TACD3A104□				
	0.12	18.2	13.2	12.6	3.46	FTACD102V124□HLGZ0	TACD3A124□			
	0.15	14.5	13.8	3.87	FTACD102V154□HLGZ0	TACD3A154□				
	0.18	13.3	12.7	3.27	FTACD102V184□ELHZ0	TACD3A184□				
	0.22	23.2	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	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 : \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)

