



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	18.2	12.9	12.3	12.5	1.0	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		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		19.3	18.4			7.74		FTACD3B1V565□FLEZ0	TACD2F565□
	6.8	28.2	21.0	20.0	22.5	1.0	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		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



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	12.5		5.91		FTACD401V105□HLGZ0	TACD2G105□		
	1.2		13.4	12.8			5.19		FTACD401V125□ELHZ0	TACD2G125□		
	1.5	23.2	14.7	14.1	17.5		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	175	FTACD631V104□DLCZ0	TACD2J104□
	0.12			9.6		9.2					2.98	FTACD631V124□DLCZ0
	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	13.1	12.5	4.33	FTACD631V334□HLGZ0	TACD2J334□						
	0.39	18.2	14.0	13.4	12.5	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	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	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		23.9	22.8			6.30	FTACD631V395□TLJZ0			TACD2J395□	
4.7	43.2	25.9	24.7	37.5	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	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	12.4	11.8	3.56	FTACD801V184□HLGZ0	TACD2K184□						
	0.22	18.2	13.4	12.8	12.5	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	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	18.3	17.5	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	28.2	23.0	22.0	22.5	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	23.8	22.7	5.85	FTACD801V275□TLJZ0	TACD2K275□							
3.3	43.2	26.0	24.8	37.5	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)

