NIPPON CHEMI-CON

ELECTRONIC EQUIPMENT FILM CAPACITOR

TACD Series



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

◆SPECIFICATIONS

Items	Characteristics
Category temperature range	-40 to +105℃
Rated voltage range	250 to 1000Vdc
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 (Vdc)	250	315	400	630	800	1000
Measurement voltage (Vdc)	100	100	100	500	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 0.33μF.
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) W	H	T	F	φd	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
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		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		12.8	12.2			5.90		FTACD3B1V105□DLCZ0	TACD2F105□
	1.2	18.2	12.9	12.3	12.5		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	23.2	14.4	13.7	17.5		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	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	43.2	24.2	23.1	37.5		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℃ max., 100kHz, sine wave
(3)WV(Vac) : 50Hz or 60Hz, sine wave

CAT. No. E1003E

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	18.2	13.2	12.6	12.5		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		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		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	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		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	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	12.5		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		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	28.2	19.2	18.3	22.5	1.0	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℃ max., 100kHz, sine wave
(3)WV(Vac) : 50Hz or 60Hz, sine wave

NIPPON CHEMI-CON

ELECTRONIC EQUIPMENT FILM CAPACITOR

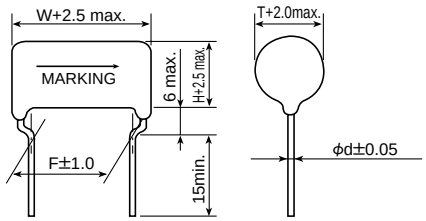
TACD Series

◆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				
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		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		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℃ max., 100kHz, sine wave
(3)WV(Vac) : 50Hz or 60Hz, sine wave

◆DIMENSIONS (mm)



CAT. No. E1003E