NIPPON CHEMI-CON

ELECTRONIC EQUIPMENT FILM CAPACITOR

TACC Series



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

◆SPECIFICATIONS

Items	Characteristics
Category temperature range	-40 to +105℃
Rated voltage range	450 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)	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 (Vdc)	450	630	800	1000
Measurement voltage (Vdc)	100	500	500	500

Endurance	The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 85℃.
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.

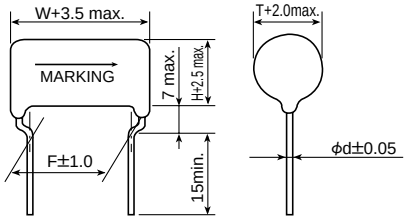
Loading under damp heat	The following specifications shall be satisfied, after 500hrs with applying rated voltage at 40℃ 90~95%RH.
Appearance	No serious degradation.
Insulation resistance (Terminal - Terminal)	No less than 10000MΩ : Equal or less than 0.33μF. No less than 3000ΩF : More than 0.33μF.
Dissipation 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)
450	5.6	33.2	21.0	20.0	27.5	1.0	7.0	115	FTACC451V565□RLFZ0	TACC2W565□
	6.8		22.9	21.9			7.7		FTACC451V685□RLFZ0	TACC2W685□
	8.2		25.0	23.8			8.5		FTACC451V825□RLFZ0	TACC2W825□
	10		27.4	26.1			9.4		FTACC451V106□RLFZ0	TACC2W106□
	12	43.2	25.7	24.5	37.5		7.5		FTACC451V126□TLJZ0	TACC2W126□
	15		28.5	27.1			8.4		FTACC451V156□TLJZ0	TACC2W156□
	18	53.2	27.4	26.1	47.5		7.3		FTACC451V186□ULWZ0	TACC2W186□
630	3.3	33.2	21.5	20.4	27.5	1.0	5.6	150	FTACC631V335□RLFZ0	TACC2J335□
	3.9		23.2	22.1			6.1		FTACC631V395□RLFZ0	TACC2J395□
	4.7		25.2	24.0			6.7		FTACC631V475□RLFZ0	TACC2J475□
	5.6		27.4	26.1			7.3		FTACC631V565□RLFZ0	TACC2J565□
	6.8	43.2	25.8	24.6	37.5		5.9		FTACC631V685□TLJZ0	TACC2J685□
	8.2		28.0	26.7			6.5		FTACC631V825□TLJZ0	TACC2J825□
	10	53.2	27.3	26.0	47.5		5.6		FTACC631V106□ULWZ0	TACC2J106□
800	2.2	33.2	21.9	20.8	27.5	1.0	4.5	175	FTACC801V225□RLFZ0	TACC2K225□
	2.7		24.0	22.9			5.0		FTACC801V275□RLFZ0	TACC2K275□
	3.3		26.3	25.1			5.6		FTACC801V335□RLFZ0	TACC2K335□
	3.9		28.5	27.1			6.0		FTACC801V395□RLFZ0	TACC2K395□
	4.7	43.2	26.8	25.5	37.5		4.9		FTACC801V475□TLJZ0	TACC2K475□
	5.6	53.2	25.7	24.5	47.5		4.2		FTACC801V565□ULWZ0	TACC2K565□
	6.8		28.0	26.7			4.6		FTACC801V685□ULWZ0	TACC2K685□
1000	1.0	33.2	23.4	22.3	27.5	1.0	3.9	200	FTACC102V105□RLFZ0	TACC3A105□
	1.2		25.5	24.3			4.2		FTACC102V125□RLFZ0	TACC3A125□
	1.5		28.2	26.9			4.7		FTACC102V155□RLFZ0	TACC3A155□
	1.8	43.2	26.4	25.2	37.5		3.8		FTACC102V185□TLJZ0	TACC3A185□
	2.2	53.2	25.8	24.6	47.5		3.3		FTACC102V225□ULWZ0	TACC3A225□
	2.7		28.2	26.9			3.7		FTACC102V275□ULWZ0	TACC3A275□

(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)



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