



ELECTRONIC EQUIPMENT FILM CAPACITOR

TACB Series

- Maximum operating temperature 105°C.
- Allowable temperature rise 15K max.
- A little hum is produced when applied AC voltage.



◆ SPECIFICATIONS

| Items | Characteristics | | | | | |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----|-----|-----|-----|
| Category temperature range | -40 to +105°C | | | | | |
| Rated voltage range | 250 to 800V _{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) | 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 (V _{dc}) | 250 | 315 | 400 | 630 | 800 |
| | Measurement voltage (V _{dc}) | 100 | 100 | 100 | 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 0.3μF. | | | | |
| | 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 (Vac) | Part Number | Previous Part Number (Just for your reference) |
|-----------------------|----------|-----------------|------|--------------------|--------------------|------------|-------------------------------|----------|--------------------|------------------------------------------------|
| | | W | H | T | F | φd | | | | |
| 250 | 0.33 | 16.2 | 8.6 | 8.3 | 10.0 | 0.8 | 3.08 | 125 | FTACB251V334□DLCZ0 | TACB2E334□ |
| | 0.39 | | 9.2 | 8.8 | | | 3.34 | | FTACB251V394□DLCZ0 | TACB2E394□ |
| | 0.47 | | 9.7 | 9.3 | | | 3.67 | | FTACB251V474□DLCZ0 | TACB2E474□ |
| | 0.56 | | 10.3 | 9.8 | | | 4.01 | | FTACB251V564□DLCZ0 | TACB2E564□ |
| | 0.68 | | 11.1 | 10.6 | | | 4.42 | | FTACB251V684□DLCZ0 | TACB2E684□ |
| | 0.82 | | 11.9 | 11.4 | | | 4.85 | | FTACB251V824□DLCZ0 | TACB2E824□ |
| | 1.0 | 12.9 | 12.3 | 5.35 | FTACB251V105□DLCZ0 | TACB2E105□ | | | | |
| | 1.2 | 12.9 | 12.3 | 5.03 | FTACB251V125□HLGZ0 | TACB2E125□ | | | | |
| | 1.5 | 14.1 | 13.5 | 5.63 | FTACB251V155□HLGZ0 | TACB2E155□ | | | | |
| | 1.8 | 15.2 | 14.5 | 6.17 | FTACB251V185□HLGZ0 | TACB2E185□ | | | | |
| | 2.2 | 14.5 | 13.8 | 5.04 | FTACB251V225□ELHZ0 | TACB2E225□ | | | | |
| | 2.7 | 15.7 | 15.0 | 5.58 | FTACB251V275□ELHZ0 | TACB2E275□ | | | | |
| | 3.3 | 17.1 | 16.3 | 6.17 | FTACB251V335□ELHZ0 | TACB2E335□ | | | | |
| | 3.9 | 18.4 | 17.5 | 6.71 | FTACB251V395□ELHZ0 | TACB2E395□ | | | | |
| | 4.7 | 20.0 | 19.0 | 7.36 | FTACB251V475□ELHZ0 | TACB2E475□ | | | | |
| | 5.6 | 19.3 | 18.4 | 6.38 | FTACB251V565□FLEZ0 | TACB2E565□ | | | | |
| | 6.8 | 21.0 | 20.0 | 7.03 | FTACB251V685□FLEZ0 | TACB2E685□ | | | | |
| | 8.2 | 22.1 | 21.9 | 7.72 | FTACB251V825□FLEZ0 | TACB2E825□ | | | | |
| | 10 | 25.2 | 24.0 | 8.52 | FTACB251V106□FLEZ0 | TACB2E106□ | | | | |
| | 12 | 27.3 | 26.0 | 9.34 | FTACB251V126□FLEZ0 | TACB2E126□ | | | | |
| | 15 | 24.2 | 23.1 | 6.45 | FTACB251V156□TLJZ0 | TACB2E156□ | | | | |
| | 18 | 26.3 | 25.1 | 7.07 | FTACB251V186□TLJZ0 | TACB2E186□ | | | | |
| 22 | 28.9 | 27.5 | 7.81 | FTACB251V226□TLJZ0 | TACB2E226□ | | | | | |
| 315 | 0.22 | 16.2 | 8.7 | 8.3 | 10.0 | 0.8 | 2.81 | 150 | FTACB3B1V224□DLCZ0 | TACB2F224□ |
| | 0.27 | | 9.3 | 9.0 | | | 3.11 | | FTACB3B1V274□DLCZ0 | TACB2F274□ |
| | 0.33 | | 10.0 | 9.6 | | | 3.44 | | FTACB3B1V334□DLCZ0 | TACB2F334□ |
| | 0.39 | | 10.7 | 10.2 | | | 3.74 | | FTACB3B1V394□DLCZ0 | TACB2F394□ |
| | 0.47 | | 11.4 | 10.9 | | | 4.10 | | FTACB3B1V474□DLCZ0 | TACB2F474□ |
| | 0.56 | | 12.1 | 11.6 | | | 4.48 | | FTACB3B1V564□DLCZ0 | TACB2F564□ |
| | 0.68 | 13.2 | 12.6 | 4.94 | FTACB3B1V684□DLCZ0 | TACB2F684□ | | | | |
| | 0.82 | 13.2 | 12.6 | 4.65 | FTACB3B1V824□HLGZ0 | TACB2F824□ | | | | |
| | 1.0 | 14.4 | 13.7 | 5.14 | FTACB3B1V105□HLGZ0 | TACB2F105□ | | | | |

(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 | | | | | | | |
| 315 | 1.2 | 23.2 | 13.4 | 12.8 | 17.5 | 0.8 | 4.16 | 150 | FTACB3B1V125□DELHZO | TACB2F125□ | | | |
| | 1.5 | | 14.8 | 14.1 | | | 4.65 | | FTACB3B1V155□DELHZO | TACB2F155□ | | | |
| | 1.8 | | 15.9 | 15.2 | | | 5.09 | | FTACB3B1V185□DELHZO | TACB2F185□ | | | |
| | 2.2 | | 17.3 | 16.5 | | | 5.63 | | FTACB3B1V225□DELHZO | TACB2F225□ | | | |
| | 2.7 | | 19.0 | 18.1 | | | 6.24 | | FTACB3B1V275□DELHZO | TACB2F275□ | | | |
| | 3.3 | 28.2 | 18.6 | 17.7 | 22.5 | 1.0 | 5.47 | | FTACB3B1V335□FLEZO | TACB2F335□ | | | |
| | 3.9 | | 20.0 | 19.0 | | | 5.95 | | FTACB3B1V395□FLEZO | TACB2F395□ | | | |
| | 4.7 | | 21.8 | 20.7 | | | 6.53 | | FTACB3B1V475□FLEZO | TACB2F475□ | | | |
| | 5.6 | | 23.6 | 22.5 | | | 7.13 | | FTACB3B1V565□FLEZO | TACB2F565□ | | | |
| | 6.8 | | 25.8 | 24.6 | | | 7.86 | | FTACB3B1V685□FLEZO | TACB2F685□ | | | |
| 8.2 | 28.1 | 26.8 | 8.63 | FTACB3B1V825□FLEZO | TACB2F825□ | | | | | | | | |
| 400 | 0.1 | 16.2 | 9.2 | 8.8 | 10.0 | 0.8 | 2.40 | 175 | FTACB401V104□DLCZO | TACB2G104□ | | | |
| | 0.12 | | 9.7 | 9.3 | | | 2.62 | | FTACB401V124□DLCZO | TACB2G124□ | | | |
| | 0.15 | | 10.5 | 10.1 | | | 2.93 | | FTACB401V154□DLCZO | TACB2G154□ | | | |
| | 0.18 | | 11.2 | 10.7 | | | 3.21 | | FTACB401V184□DLCZO | TACB2G184□ | | | |
| | 0.22 | | 12.1 | 11.6 | | | 3.55 | | FTACB401V224□DLCZO | TACB2G224□ | | | |
| | 0.27 | 13.1 | 12.5 | 3.94 | FTACB401V274□DLCZO | TACB2G274□ | | | | | | | |
| | 0.33 | 18.2 | 13.2 | 12.6 | 12.5 | 0.8 | 3.71 | | FTACB401V334□HLGZO | TACB2G334□ | | | |
| | 0.39 | | 14.1 | 13.5 | | | 4.04 | | FTACB401V394□HLGZO | TACB2G394□ | | | |
| | 0.47 | | 15.2 | 14.5 | | | 4.43 | | FTACB401V474□HLGZO | TACB2G474□ | | | |
| | 0.56 | | 14.1 | 13.5 | | | 3.54 | | FTACB401V564□ELHZO | TACB2G564□ | | | |
| | 0.68 | | 15.3 | 14.6 | | | 3.90 | | FTACB401V684□ELHZO | TACB2G684□ | | | |
| | 0.82 | 23.2 | 16.6 | 15.8 | 17.5 | 1.0 | 4.29 | | FTACB401V824□ELHZO | TACB2G824□ | | | |
| | 1.0 | | 18.1 | 17.2 | | | 4.73 | | FTACB401V105□ELHZO | TACB2G105□ | | | |
| | 1.2 | | 19.6 | 18.6 | | | 5.19 | | FTACB401V125□ELHZO | TACB2G125□ | | | |
| | 1.5 | | 19.2 | 18.3 | | | 4.58 | | FTACB401V155□FLEZO | TACB2G155□ | | | |
| | 1.8 | | 20.8 | 19.8 | | | 5.02 | | FTACB401V185□FLEZO | TACB2G185□ | | | |
| | 2.2 | 28.2 | 22.8 | 21.8 | 22.5 | 1.0 | 5.55 | | FTACB401V225□FLEZO | TACB2G225□ | | | |
| | 2.7 | | 25.1 | 23.9 | | | 6.15 | | FTACB401V275□FLEZO | TACB2G275□ | | | |
| | 3.3 | | 27.5 | 26.2 | | | 6.79 | | FTACB401V335□FLEZO | TACB2G335□ | | | |
| | 3.9 | | 23.9 | 22.8 | | | 4.57 | | FTACB401V395□TLJZO | TACB2G395□ | | | |
| 4.7 | 25.9 | | 24.7 | 5.02 | | | FTACB401V475□TLJZO | TACB2G475□ | | | | | |
| 5.6 | 43.2 | 28.1 | 26.8 | 37.5 | 1.0 | 5.48 | FTACB401V565□TLJZO | TACB2G565□ | | | | | |
| 630 | | 0.056 | 16.2 | | | 8.5 | 8.2 | 10.0 | 0.8 | 1.96 | 200 | FTACB631V563□DLCZO | TACB2J563□ |
| | | 0.068 | | | | 9.1 | 8.7 | | | 2.16 | | FTACB631V683□DLCZO | TACB2J683□ |
| | | 0.082 | | | | 9.6 | 9.2 | | | 2.38 | | FTACB631V823□DLCZO | TACB2J823□ |
| | | 0.1 | | | | 10.3 | 9.8 | | | 2.62 | | FTACB631V104□DLCZO | TACB2J104□ |
| | 0.12 | 11.0 | | 10.5 | 2.88 | FTACB631V124□DLCZO | TACB2J124□ | | | | | | |
| | 0.15 | 11.9 | 11.4 | 3.21 | FTACB631V154□DLCZO | TACB2J154□ | | | | | | | |
| | 0.18 | 18.2 | 12.3 | 11.8 | 12.5 | 0.8 | 3.10 | FTACB631V184□HLGZO | TACB2J184□ | | | | |
| | 0.22 | | 13.4 | 12.8 | | | 3.42 | FTACB631V224□HLGZO | TACB2J224□ | | | | |
| | 0.27 | | 14.6 | 13.9 | | | 3.79 | FTACB631V274□HLGZO | TACB2J274□ | | | | |
| | 0.33 | | 13.5 | 12.9 | | | 3.04 | FTACB631V334□ELHZO | TACB2J334□ | | | | |
| 0.39 | 14.5 | | 13.8 | 3.30 | | | FTACB631V394□ELHZO | TACB2J394□ | | | | | |
| 0.47 | 23.2 | 15.6 | 14.9 | 17.5 | 1.0 | 3.63 | FTACB631V474□ELHZO | TACB2J474□ | | | | | |
| 0.56 | | 16.8 | 16.0 | | | 3.96 | FTACB631V564□ELHZO | TACB2J564□ | | | | | |
| 0.68 | | 18.3 | 17.4 | | | 4.36 | FTACB631V684□ELHZO | TACB2J684□ | | | | | |
| 0.82 | | 19.9 | 18.9 | | | 4.79 | FTACB631V824□ELHZO | TACB2J824□ | | | | | |
| 1.0 | | 19.2 | 18.3 | | | 4.16 | FTACB631V105□FLEZO | TACB2J105□ | | | | | |
| 1.2 | 28.2 | 20.8 | 19.8 | 22.5 | 1.0 | 4.55 | FTACB631V125□FLEZO | TACB2J125□ | | | | | |
| 1.5 | | 23.0 | 22.0 | | | 5.09 | FTACB631V155□FLEZO | TACB2J155□ | | | | | |
| 1.8 | | 25.1 | 23.9 | | | 5.58 | FTACB631V185□FLEZO | TACB2J185□ | | | | | |
| 2.2 | | 27.5 | 26.2 | | | 6.17 | FTACB631V225□FLEZO | TACB2J225□ | | | | | |
| 2.7 | | 23.8 | 22.7 | | | 4.17 | FTACB631V275□TLJZO | TACB2J275□ | | | | | |
| 3.3 | 43.2 | 26.0 | 24.8 | 37.5 | 1.0 | 4.61 | FTACB631V335□TLJZO | TACB2J335□ | | | | | |
| 3.9 | | 28.0 | 26.7 | | | 5.01 | FTACB631V395□TLJZO | TACB2J395□ | | | | | |

(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 | | | | |
| 800 | 0.033 | 16.2 | 9.0 | 8.6 | 10.0 | 0.8 | 1.81 | 250 | FTACB801V333□DLCZ0 | TACB2K333□ |
| | 0.039 | | 9.5 | 9.1 | | | 1.97 | | FTACB801V393□DLCZ0 | TACB2K393□ |
| | 0.047 | | 10.1 | 9.7 | | | 2.16 | | FTACB801V473□DLCZ0 | TACB2K473□ |
| | 0.056 | | 10.8 | 10.3 | | | 2.36 | | FTACB801V563□DLCZ0 | TACB2K563□ |
| | 0.068 | | 11.5 | 11.0 | | | 2.60 | | FTACB801V683□DLCZ0 | TACB2K683□ |
| | 0.082 | | 12.5 | 11.9 | | | 2.85 | | FTACB801V823□DLCZ0 | TACB2K823□ |
| | 0.1 | 18.2 | 12.3 | 11.8 | 12.5 | 0.8 | 2.67 | | FTACB801V104□HLGZ0 | TACB2K104□ |
| | 0.12 | | 13.3 | 12.7 | | | 2.92 | | FTACB801V124□HLGZ0 | TACB2K124□ |
| | 0.15 | | 14.6 | 13.9 | | | 3.26 | | FTACB801V154□HLGZ0 | TACB2K154□ |
| | 0.18 | | 13.4 | 12.8 | | | 2.59 | | FTACB801V184□ELHZ0 | TACB2K184□ |
| | 0.22 | 23.2 | 14.5 | 13.8 | 17.5 | 0.8 | 2.87 | | FTACB801V224□ELHZ0 | TACB2K224□ |
| | 0.27 | | 15.8 | 15.1 | | | 3.17 | | FTACB801V274□ELHZ0 | TACB2K274□ |
| | 0.33 | | 17.2 | 16.4 | | | 3.51 | | FTACB801V334□ELHZ0 | TACB2K334□ |
| | 0.39 | | 18.5 | 17.6 | | | 3.82 | | FTACB801V394□ELHZ0 | TACB2K394□ |
| | 0.47 | | 20.1 | 19.1 | | | 4.19 | | FTACB801V474□ELHZ0 | TACB2K474□ |
| | 0.56 | | 28.2 | 19.2 | | | 18.3 | | 22.5 | 1.0 |
| | 0.68 | 20.9 | | 19.9 | 3.96 | FTACB801V684□FLEZ0 | TACB2K684□ | | | |
| | 0.82 | 22.8 | | 21.8 | 4.35 | FTACB801V824□FLEZ0 | TACB2K824□ | | | |
| | 1.0 | 25.0 | | 23.8 | 4.80 | FTACB801V105□FLEZ0 | TACB2K105□ | | | |
| | 1.2 | 27.2 | | 25.9 | 5.26 | FTACB801V125□FLEZ0 | TACB2K125□ | | | |

- (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)

