

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℃							
Rated voltage range	250 to 1000V _{dc}							
Capacitance tolerance	±5% (J)							
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	500	630	800	1000
	Measurement voltage (V _{dc})	100	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 (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	0.82	16.2	10.8	10.3	10.0	0.8	5.45	100	FTACD251V824JDL CZ0	TACD2E824J
	1.0		11.6	11.1			6.00		FTACD251V105JDL CZ0	TACD2E105J
	1.2		12.5	11.9			6.57		FTACD251V125JDL CZ0	TACD2E125J
	1.5		13.6	13.0			7.34		FTACD251V155JDL CZ0	TACD2E155J
	1.8		14.7	14.0			8.04		FTACD251V185JDL CZ0	TACD2E185J
	2.2	23.2	15.9	15.2	17.5	0.8	8.89		FTACD251V225JDL CZ0	TACD2E225J
	2.7		14.0	13.4			6.66		FTACD251V275JEL HZ0	TACD2E275J
	3.3		15.2	14.5			7.36		FTACD251V335JEL HZ0	TACD2E335J
	3.9		16.4	15.6			8.00		FTACD251V395JEL HZ0	TACD2E395J
	4.7		17.8	16.9			8.78		FTACD251V475JEL HZ0	TACD2E475J
	5.6	28.2	17.1	16.3	22.5	1.0	7.87		FTACD251V565JFLE Z0	TACD2E565J
	6.8		18.7	17.8			8.67		FTACD251V685JFLE Z0	TACD2E685J
	8.2		20.3	19.3			9.52		FTACD251V825JFLE Z0	TACD2E825J
	10		22.2	21.2			10.00		FTACD251V106JFLE Z0	TACD2E106J
	12		24.1	23.0			10.00		FTACD251V126JFLE Z0	TACD2E126J
315	15	16.2	26.8	25.5	10.0	0.8	10.00		FTACD251V156JFLE Z0	TACD2E156J
	0.33		8.6	8.2			3.78	125	FTACD3B1V334JDL CZ0	TACD2F334J
	0.39		9.1	8.7			4.11		FTACD3B1V394JDL CZ0	TACD2F394J
	0.47		9.7	9.2			4.51		FTACD3B1V474JDL CZ0	TACD2F474J
	0.56		10.3	9.8			4.93		FTACD3B1V564JDL CZ0	TACD2F564J
	0.68	18.2	11.0	10.5	12.5	0.8	5.43		FTACD3B1V684JDL CZ0	TACD2F684J
	0.82		11.9	11.3			5.87		FTACD3B1V824JDL CZ0	TACD2F824J
	1.0		12.8	12.2			6.49		FTACD3B1V105JDL CZ0	TACD2F105J
	1.2		12.9	12.3			6.23		FTACD3B1V125JHL GZ0	TACD2F125J
	1.5		14.1	13.4			6.96		FTACD3B1V155JHL GZ0	TACD2F155J
	1.8	23.2	15.2	14.5	17.5	0.8	7.63		FTACD3B1V185JHL GZ0	TACD2F185J
	2.2		14.4	13.7			6.49		FTACD3B1V225JEL HZ0	TACD2F225J
	2.7		15.6	14.9			7.19		FTACD3B1V275JEL HZ0	TACD2F275J
	3.3		17.1	16.3			7.95		FTACD3B1V335JEL HZ0	TACD2F335J
	3.9		18.3	17.5			8.65		FTACD3B1V395JEL HZ0	TACD2F395J
	4.7	28.2	19.9	19.0	22.5	1.0	9.34		FTACD3B1V475JEL HZ0	TACD2F475J
	5.6		19.3	18.4			8.51		FTACD3B1V565JFLE Z0	TACD2F565J
	6.8		21.0	20.0			9.38		FTACD3B1V685JFLE Z0	TACD2F685J
	8.2		22.9	21.8			10.00		FTACD3B1V825JFLE Z0	TACD2F825J
	10		25.1	23.9			10.00		FTACD3B1V106JFLE Z0	TACD2F106J
	12	43.2	27.3	26.0	37.5	1.0	10.00		FTACD3B1V126JFLE Z0	TACD2F126J
	15		24.2	23.1			9.33		FTACD3B1V156JTL JZ0	TACD2F156J
	18		26.3	25.1			10.00		FTACD3B1V186JTL JZ0	TACD2F186J
	22		28.9	27.5			10.00		FTACD3B1V226JTL JZ0	TACD2F226J

(1)Capacitance tolerance:Standard(J:±5%),Option(K:±10%)

(2)The maximum ripple current : +85°C max., 100kHz, sine wave

(3)WV(Vac) : 50Hz or 60Hz, sine wave

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

◆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	φ φd					
400	0.22	16.2	8.7	8.3	10.0	0.8	3.91	150	FTACD401V224JDL CZ0	TACD2G224J	
	0.27		9.3	8.9			4.33		FTACD401V274JDL CZ0	TACD2G274J	
	0.33		10.0	9.5			4.27		FTACD401V334JDL CZ0	TACD2G334J	
	0.39		10.6	10.1			4.64		FTACD401V394JDL CZ0	TACD2G394J	
	0.47		11.4	10.8			5.09		FTACD401V474JDL CZ0	TACD2G474J	
	0.56	18.2	12.2	11.6	12.5		5.56		FTACD401V564JDL CZ0	TACD2G564J	
	0.68		13.1	12.5			6.13		FTACD401V684JDL CZ0	TACD2G684J	
	0.82		13.2	12.6			5.89		FTACD401V824JHL GZ0	TACD2G824J	
	1.0		14.3	13.7			6.50		FTACD401V105JHL GZ0	TACD2G105J	
	1.2	23.2	13.4	12.8	17.5		5.71		FTACD401V125JEL HZ0	TACD2G125J	
	1.5		14.7	14.1			6.13		FTACD401V155JEL HZ0	TACD2G155J	
	1.8		15.9	15.2			6.71		FTACD401V185JEL HZ0	TACD2G185J	
	2.2		17.4	16.5			7.43		FTACD401V225JEL HZ0	TACD2G225J	
	2.7		19.0	18.1			8.23		FTACD401V275JEL HZ0	TACD2G275J	
	3.3	28.2	18.6	17.7	22.5	1.0	7.47		FTACD401V335JFLE Z0	TACD2G335J	
	3.9		20.0	19.1			8.13		FTACD401V395JFLE Z0	TACD2G395J	
	4.7		21.8	20.7			8.92		FTACD401V475JFLE Z0	TACD2G475J	
	5.6		23.6	22.5			9.74		FTACD401V565JFLE Z0	TACD2G565J	
	6.8		25.8	24.5			10.00		FTACD401V685JFLE Z0	TACD2G685J	
	8.2		28.1	26.8			10.00		FTACD401V825JFLE Z0	TACD2G825J	
500	0.22	18.2	9.6	9.2	12.5	0.8	3.09	150	FTACD501V224JHL GZ0	TACD2H224J	
	0.27		10.2	9.8			3.42		FTACD501V274JHL GZ0	TACD2H274J	
	0.33		11.1	10.6			3.78		FTACD501V334JHL GZ0	TACD2H334J	
	0.39		11.7	11.2			4.11		FTACD501V394JHL GZ0	TACD2H394J	
	0.47		12.7	12.1			4.51		FTACD501V474JHL GZ0	TACD2H474J	
	0.56	23.2	13.6	13.0	17.5		4.93		FTACD501V564JHL GZ0	TACD2H564J	
	0.68		14.7	14.0			5.43		FTACD501V684JHL GZ0	TACD2H684J	
	0.82		15.9	15.2			5.96		FTACD501V824JHL GZ0	TACD2H824J	
	1.0		14.9	14.2			5.08		FTACD501V105JEL HZ0	TACD2H105J	
	1.2		16.1	15.3			5.57		FTACD501V125JEL HZ0	TACD2H125J	
	1.5	28.2	17.6	16.8	22.5	1.0	6.23		FTACD501V155JEL HZ0	TACD2H155J	
	1.8		19.1	18.2			6.82		FTACD501V185JEL HZ0	TACD2H185J	
	2.2		20.9	19.9			7.54		FTACD501V225JEL HZ0	TACD2H225J	
	2.7		20.4	19.4			6.85		FTACD501V275JFLE Z0	TACD2H275J	
	3.3		22.3	21.3			7.57		FTACD501V335JFLE Z0	TACD2H335J	
3.9	28.2	24.1	23.0	22.5	1.0	8.23	FTACD501V395JFLE Z0	TACD2H395J			
4.7		26.3	25.1			9.04	FTACD501V475JFLE Z0	TACD2H475J			
630	0.1	16.2	9.1	8.7	10.0	0.8	2.99	175	FTACD631V104JDL CZ0	TACD2J104J	
	0.12		9.6	9.2			3.28		FTACD631V124JDL CZ0	TACD2J124J	
	0.15		10.4	10.0			3.66		FTACD631V154JDL CZ0	TACD2J154J	
	0.18		11.2	10.7			4.02		FTACD631V184JDL CZ0	TACD2J184J	
	0.22		12.0	11.5			4.44		FTACD631V224JDL CZ0	TACD2J224J	
	0.27	18.2	13.1	12.5	12.5		4.92		FTACD631V274JDL CZ0	TACD2J274J	
	0.33		13.1	12.5			4.76		FTACD631V334JHL GZ0	TACD2J334J	
	0.39		14.0	13.4			5.17		FTACD631V394JHL GZ0	TACD2J394J	
	0.47		15.2	14.5			5.68		FTACD631V474JHL GZ0	TACD2J474J	
	0.56		14.0	13.4			4.79		FTACD631V564JEL HZ0	TACD2J564J	
	0.68	23.2	15.2	14.5	17.5		5.27		FTACD631V684JEL HZ0	TACD2J684J	
	0.82		16.5	15.7			5.79		FTACD631V824JEL HZ0	TACD2J824J	
	1.0		18.0	17.1			6.39		FTACD631V105JEL HZ0	TACD2J105J	
	1.2		19.5	18.6			7.00		FTACD631V125JEL HZ0	TACD2J125J	
	1.5		19.1	18.2			6.42		FTACD631V155JFLE Z0	TACD2J155J	
	1.8	28.2	20.8	19.8	22.5	1.0	7.04		FTACD631V185JFLE Z0	TACD2J185J	
	2.2		22.7	21.7			7.79		FTACD631V225JFLE Z0	TACD2J225J	
	2.7		25.0	23.8			8.62		FTACD631V275JFLE Z0	TACD2J275J	
	3.3		27.4	26.1			9.54		FTACD631V335JFLE Z0	TACD2J335J	
	3.9		23.9	22.8			6.93		FTACD631V395JTL JZ0	TACD2J395J	
	4.7	43.2	25.9	24.7	37.5		7.61		FTACD631V475JTL JZ0	TACD2J475J	
	5.6		28.1	26.8			8.31		FTACD631V565JTL JZ0	TACD2J565J	

(1)Capacitance tolerance:Standard(J:±5%),Option(K:±10%)

(2)The maximum ripple current : +85℃ max., 100kHz, sine wave

(3)WV(Vac) : 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	φ φd					
800	0.056	16.2	8.5	8.1	10.0	0.8	2.60	200	FTACD801V563JDL CZ0	TACD2K563J	
	0.068		9.0	8.6			2.86		FTACD801V683JDL CZ0	TACD2K683J	
	0.082		9.6	9.2			3.14		FTACD801V823JDL CZ0	TACD2K823J	
	0.1		10.3	9.8			3.34		FTACD801V104JDL CZ0	TACD2K104J	
	0.12		11.0	10.5			3.66		FTACD801V124JDL CZ0	TACD2K124J	
	0.15		12.0	11.4			4.09		FTACD801V154JDL CZ0	TACD2K154J	
	0.18	18.2	12.4	11.8	12.5		3.92		FTACD801V184JHL GZ0	TACD2K184J	
	0.22		13.4	12.8			4.33		FTACD801V224JHL GZ0	TACD2K224J	
	0.27		14.6	13.9			4.80		FTACD801V274JHL GZ0	TACD2K274J	
	0.33	23.2	13.5	12.9	17.5		4.09		FTACD801V334JEL HZ0	TACD2K334J	
	0.39		14.4	13.8			4.46		FTACD801V394JEL HZ0	TACD2K394J	
	0.47		15.6	14.9			4.88		FTACD801V474JEL HZ0	TACD2K474J	
	0.56		16.8	16.0			5.34		FTACD801V564JEL HZ0	TACD2K564J	
	0.68		18.3	17.5			5.87		FTACD801V684JEL HZ0	TACD2K684J	
	0.82		19.9	19.0			6.46		FTACD801V824JEL HZ0	TACD2K824J	
	1.0	28.2	19.2	18.3	22.5	1.0	5.85		FTACD801V105JFLE Z0	TACD2K105J	
	1.2		20.8	19.9			6.41		FTACD801V125JFLE Z0	TACD2K125J	
	1.5		23.0	22.0			7.17		FTACD801V155JFLE Z0	TACD2K155J	
	1.8		25.1	23.9			7.85		FTACD801V185JFLE Z0	TACD2K185J	
	2.2		27.5	26.2			8.68		FTACD801V225JFLE Z0	TACD2K225J	
	2.7		23.8	22.7			6.44		FTACD801V275JTL JZ0	TACD2K275J	
	3.3	43.2	26.0	24.8	37.5		7.12		FTACD801V335JTL JZ0	TACD2K335J	
	3.9		28.0	26.7			7.73		FTACD801V395JTL JZ0	TACD2K395J	
1000	0.033	16.2	8.9	8.5	10.0	0.8	2.28	250	FTACD102V333JDL CZ0	TACD3A333J	
	0.039		9.4	9.0			2.48		FTACD102V393JDL CZ0	TACD3A393J	
	0.047		10.0	9.6			2.72		FTACD102V473JDL CZ0	TACD3A473J	
	0.056		10.7	10.2			2.97		FTACD102V563JDL CZ0	TACD3A563J	
	0.068		11.5	11.0			3.28		FTACD102V683JDL CZ0	TACD3A683J	
	0.082		12.4	11.8			3.60		FTACD102V823JDL CZ0	TACD3A823J	
	0.1	18.2	12.3	11.7	12.5		3.48		FTACD102V104JHL GZ0	TACD3A104J	
	0.12		13.2	12.6			3.81		FTACD102V124JHL GZ0	TACD3A124J	
	0.15		14.5	13.8			4.26		FTACD102V154JHL GZ0	TACD3A154J	
	0.18	23.2	13.3	12.7	17.5		3.60		FTACD102V184JEL HZ0	TACD3A184J	
	0.22		14.4	13.8			3.97		FTACD102V224JEL HZ0	TACD3A224J	
	0.27		15.8	15.0			4.40		FTACD102V274JEL HZ0	TACD3A274J	
	0.33		17.2	16.4			4.86		FTACD102V334JEL HZ0	TACD3A334J	
	0.39		18.5	17.6			5.29		FTACD102V394JEL HZ0	TACD3A394J	
	0.47		20.1	19.1			5.81		FTACD102V474JEL HZ0	TACD3A474J	
	0.56	28.2	19.2	18.3	22.5	1.0	5.21		FTACD102V564JFLE Z0	TACD3A564J	
	0.68		20.9	19.9			5.74		FTACD102V684JFLE Z0	TACD3A684J	
	0.82		22.8	21.7			6.30		FTACD102V824JFLE Z0	TACD3A824J	
	1.0		24.9	23.7			6.96		FTACD102V105JFLE Z0	TACD3A105J	
	1.2		27.1	25.8			7.62		FTACD102V125JFLE Z0	TACD3A125J	

- (1)Capacitance tolerance:Standard(J:±5%),Option(K:±10%)
(2)The maximum ripple current : +85℃ max., 100kHz, sine wave
(3)WV(Vac) : 50Hz or 60Hz, sine wave

◆DIMENSIONS (mm)

