

# DADC Series

- It is excellent in coping with high current and in heat radiation.
- It can handle a frequency of above 100kHz.
- The amor is a powder molded flame resisting epoxy resin (correspond V-0).



## ◆ SPECIFICATIONS

Items	Characteristics			
Category temperature range	-40 to +105°C			
Rated voltage range	250 to 630V <sub>dc</sub>			
Capacitance tolerance	±5% (J)			
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%			
Insulation resistance (Terminal - Terminal)	No less than 50000MΩ : Equal or less than 1μF.			
	No less than 50000ΩF : More than 1μF.			
	Rated voltage (V <sub>dc</sub> )	250	400	630
	Measurement voltage (V <sub>dc</sub> )	100	100	500
Endurance	The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 85°C.			
	Appearance	No serious degradation		
	Insulation resistance (Terminal - Terminal)	No less than 25000MΩ : Equal or less than 1μF.		
		No less than 25000ΩF : More than 1μF.		
	Dissipation factor (tanδ)	No more than initial specification at 1kHz.		
Capacitance change	Within ±3% 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 25000MΩ : Equal or less than 1μF.		
		No less than 25000ΩF : More than 1μF.		
	Dissipation factor (tanδ)	No more than initial specification at 1kHz.		
Capacitance change	Within ±5% of initial value.			

## ◆ STANDARD RATINGS

WV (V <sub>dc</sub> )	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	0.01	15.5	11.0	7.0	7.5	0.8	0.78	125	FDADC251V103JGLBM0	DADC2E103J-F2BM
	0.012		11.5	7.5			1.0		FDADC251V123JGLBM0	DADC2E123J-F2BM
	0.015		13.0	8.5			1.2		FDADC251V153JGLBM0	DADC2E153J-F2BM
	0.018		11.5	7.5			1.4		FDADC251V183JGLBM0	DADC2E183J-F2BM
	0.022		12.0	6.0			1.7		FDADC251V223JGLBM0	DADC2E223J-F2BM
	0.027		12.5	6.5			1.9		FDADC251V273JGLBM0	DADC2E273J-F2BM
	0.033		13.0	7.0			2.2		FDADC251V333JGLBM0	DADC2E333J-F2BM
	0.039		13.0	7.5			2.4		FDADC251V393JGLBM0	DADC2E393J-F2BM
	0.047		15.5	7.5			2.6		FDADC251V473JGLBM0	DADC2E473J-F2BM
	0.056		15.5	7.5			2.8		FDADC251V563JGLBM0	DADC2E563J-F2BM
	0.068		12.0	6.5			2.9		FDADC251V683JGLBM0	DADC2E683J-F2BM
	0.082		12.5	7.0			3.0		FDADC251V823JGLBM0	DADC2E823J-F2BM
	0.1		12.0	6.5			3.1		FDADC251V104JDLBM0	DADC2E104J-F2BM
	0.12		12.5	7.0			3.3		FDADC251V124JDLBM0	DADC2E124J-F2BM
	0.15		14.0	7.0			3.4		FDADC251V154JDLBM0	DADC2E154J-F2BM
	0.18		14.5	7.5			3.6		FDADC251V184JDLBM0	DADC2E184J-F2BM
	0.22	15.5	7.5	3.7	FDADC251V224JDLBM0	DADC2E224J-F2BM				
	0.27	16.0	8.0	3.8	FDADC251V274JDLBM0	DADC2E274J-F2BM				
	0.33	16.5	8.5	4.0	FDADC251V334JDLBM0	DADC2E334J-F2BM				
	0.39	17.5	9.0	4.1	FDADC251V394JDLBM0	DADC2E394J-F2BM				
	0.47	16.5	8.0	4.3	FDADC251V474JNLBM0	DADC2E474J-F2BM				
	0.56	17.0	8.5	4.6	FDADC251V564JNLBM0	DADC2E564J-F2BM				
	0.68	17.5	9.0	5.0	FDADC251V684JNLBM0	DADC2E684J-F2BM				
	0.82	18.0	10.0	5.3	FDADC251V824JNLBM0	DADC2E824J-F2BM				
	1.0	19.0	10.5	5.7	FDADC251V105JNLBM0	DADC2E105J-F2BM				
	1.2	20.0	11.5	6.2	FDADC251V125JNLBM0	DADC2E125J-F2BM				
	1.5	21.0	12.5	6.7	FDADC251V155JNLBM0	DADC2E155J-F2BM				
	1.8	22.0	14.0	7.2	FDADC251V185JNLBM0	DADC2E185J-F2BM				
	2.2	23.5	15.0	7.8	FDADC251V225JNLBM0	DADC2E225J-F2BM				
	2.7	24.0	15.5	8.2	FDADC251V275JELBM0	DADC2E275J-F2BM				
	3.3	24.5	16.5	8.7	FDADC251V335JELBM0	DADC2E335J-F2BM				
	3.9	25.5	17.5	9.1	FDADC251V395JFLEM0	DADC2E395J-F2EM				
4.7	27.0	19.0	9.3	FDADC251V475JFLEM0	DADC2E475J-F2EM					

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

(2)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	φd				
400	0.01	15.5	11.0	7.0	7.5	0.8	1.5	250	FDADC401V103JGLBM0	DADC2G103J-F2BM
	0.012		11.5	7.5			1.7		FDADC401V123JGLBM0	DADC2G123J-F2BM
	0.015		13.0	8.5			1.9		FDADC401V153JGLBM0	DADC2G153J-F2BM
	0.018		11.5	7.5			2.0		FDADC401V183JGLBM0	DADC2G183J-F2BM
	0.022		12.0	6.0			2.2		FDADC401V223JGLBM0	DADC2G223J-F2BM
	0.027		12.5	6.5			2.4		FDADC401V273JGLBM0	DADC2G273J-F2BM
	0.033		13.0	7.0			2.6		FDADC401V333JGLBM0	DADC2G333J-F2BM
	0.039		13.0	6.0			2.7		FDADC401V393JGLBM0	DADC2G393J-F2BM
	0.047		13.5	6.5			2.9		FDADC401V473JGLBM0	DADC2G473J-F2BM
	0.056		14.0	6.5			3.1		FDADC401V563JGLBM0	DADC2G563J-F2BM
	0.068		13.5	6.5			3.2		FDADC401V683JDLBM0	DADC2G683J-F2BM
	0.082		14.0	7.0			3.4		FDADC401V823JDLBM0	DADC2G823J-F2BM
	0.1	17.5	14.5	7.5			3.6		FDADC401V104JDLBM0	DADC2G104J-F2BM
	0.12		15.0	8.0			3.9		FDADC401V124JDLBM0	DADC2G124J-F2BM
	0.15		16.0	8.5			4.3		FDADC401V154JDLBM0	DADC2G154J-F2BM
	0.18		16.5	9.5			4.6		FDADC401V184JDLBM0	DADC2G184J-F2BM
	0.22		16.0	9.0			4.9		FDADC401V224JHLBM0	DADC2G224J-F2BM
	0.27		18.0	9.5			5.3		FDADC401V274JHLBM0	DADC2G274J-F2BM
	0.33	20.5	19.0	10.5			5.6		FDADC401V334JHLBM0	DADC2G334J-F2BM
	0.39		19.5	11.5			5.9		FDADC401V394JHLBM0	DADC2G394J-F2BM
	0.47		20.0	11.5			6.3		FDADC401V474JNLBM0	DADC2G474J-F2BM
	0.56	22.5	21.0	13.0			6.6		FDADC401V564JNLBM0	DADC2G564J-F2BM
	0.68		21.0	13.0			6.9		FDADC401V684JELBM0	DADC2G684J-F2BM
	0.82		22.5	14.0			7.2		FDADC401V824JELBM0	DADC2G824J-F2BM
1.0	25.5	23.5	15.5	7.5	FDADC401V105JELBM0	DADC2G105J-F2BM				
1.2		25.0	16.5	8.0	FDADC401V125JELBM0	DADC2G125J-F2BM				
1.5		26.5	18.5	8.5	FDADC401V155JELBM0	DADC2G155J-F2BM				
1.8	31.0	26.0	17.5	8.9	FDADC401V185JFLEM0	DADC2G185J-F2EM				
2.2		27.5	19.5	9.3	FDADC401V225JFLEM0	DADC2G225J-F2EM				
630	0.01	15.5	11.0	7.0	7.5	0.8	1.8	300	FDADC631V103JGLBM0	DADC2J103J-F2BM
	0.012		11.5	7.5			2.0		FDADC631V123JGLBM0	DADC2J123J-F2BM
	0.015		13.0	8.5			2.1		FDADC631V153JGLBM0	DADC2J153J-F2BM
	0.018		11.5	7.5			2.2		FDADC631V183JGLBM0	DADC2J183J-F2BM
	0.022		12.5	7.0			2.3		FDADC631V223JGLBM0	DADC2J223J-F2BM
	0.027		12.5	7.0			2.5		FDADC631V273JGLBM0	DADC2J273J-F2BM
	0.033		13.0	7.5			2.6		FDADC631V333JGLBM0	DADC2J333J-F2BM
	0.039		12.5	7.0			2.7		FDADC631V393JHLBM0	DADC2J393J-F2BM
	0.047		12.5	7.0			2.8		FDADC631V473JHLBM0	DADC2J473J-F2BM
	0.056		13.0	7.5			3.1		FDADC631V563JHLBM0	DADC2J563J-F2BM
	0.068		13.5	8.0			3.4		FDADC631V683JHLBM0	DADC2J683J-F2BM
	0.082		14.0	8.5			3.6		FDADC631V823JHLBM0	DADC2J823J-F2BM
	0.1	20.5	16.0	8.5			3.9		FDADC631V104JHLBM0	DADC2J104J-F2BM
	0.12		16.5	9.5			4.3		FDADC631V124JHLBM0	DADC2J124J-F2BM
	0.15		17.5	10.5			4.7		FDADC631V154JHLBM0	DADC2J154J-F2BM
	0.18		18.5	11.0			5.1		FDADC631V184JHLBM0	DADC2J184J-F2BM
	0.22		21.0	11.5			5.5		FDADC631V224JHLBM0	DADC2J224J-F2BM
	0.27		22.5	13.0			5.9		FDADC631V274JHLBM0	DADC2J274J-F2BM
	0.33	29.0	18.5	11.5			6.3		FDADC631V334JPLNM0	DADC2J334J-F2NM
	0.39		19.5	12.5			6.7		FDADC631V394JPLNM0	DADC2J394J-F2NM
	0.47		20.5	13.5			7.2		FDADC631V474JPLNM0	DADC2J474J-F2NM
	0.56	36.0	22.5	14.0			7.6		FDADC631V564JPLNM0	DADC2J564J-F2NM
	0.68		23.5	15.0			8.1		FDADC631V684JPLNM0	DADC2J684J-F2NM
	0.82		23.0	14.5			8.6		FDADC631V824JRLPM0	DADC2J824J-F2PM
1.0	36.0	24.0	15.5	9.1	FDADC631V105JRLPM0	DADC2J105J-F2PM				
1.2		25.5	17.0	9.3	FDADC631V125JRLPM0	DADC2J125J-F2PM				

(1)The maximum ripple current : +85°C max., 100kHz, sine wave  
 (2)WV(Vac) : 50Hz or 60Hz, sine wave

### ◆DIMENSIONS (mm)

