

## DLDA Series

- It is excellent in coping with high current and in heat radiation.
- For high current, it is made to cope with current up to 25Ampere.
- As a countermeasure against high voltage along with high current, it is made to withstand a high voltage of up to 1800VH.



### ◆ SPECIFICATIONS

Items	Characteristics	
Category temperature range	-40 to +105°C	
Rated voltage range	800 to 1800VH	
Capacitance tolerance	±3% (J)	
Voltage proof (Terminal - Terminal)	No degradation, at 150% of rated voltage shall be applied for 60 seconds.	
Dissipation factor (tanδ)	No more than 0.1%	
Insulation resistance (Terminal - Terminal)	No less than 50000MΩ at 500V <sub>dc</sub>	
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
	Dissipation factor (tanδ)	No more than initial specification at 1kHz.
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
	Dissipation factor (tanδ)	No more than initial specification at 1kHz.
Capacitance change	Within ±3% of initial value.	
	Within ±5% of initial value.	

### ◆ STANDARD RATINGS

WV (VH)	Cap (μF)	Dimensions (mm)					TYPE	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	φd					
800 (1000V <sub>dc</sub> )	0.001	16.0	14.0	7.0	7.5	0.8	B	0.21	350	FDLDA801V102HGLBM0	DLDA2K102H-F2BM
	0.0012		14.0	7.0				0.32		FDLDA801V122HGLBM0	DLDA2K122H-F2BM
	0.0015		14.0	7.0				0.42		FDLDA801V152HGLBM0	DLDA2K152H-F2BM
	0.0018		14.0	7.0				0.52		FDLDA801V182HGLBM0	DLDA2K182H-F2BM
	0.0022		11.0	6.0				0.62		FDLDA801V222HGLBM0	DLDA2K222H-F2BM
	0.0027		11.0	6.5				0.72		FDLDA801V272HGLBM0	DLDA2K272H-F2BM
	0.0033		11.5	7.0				0.83		FDLDA801V332HGLBM0	DLDA2K332H-F2BM
	0.0039		11.0	6.0				0.93		FDLDA801V392HGLBM0	DLDA2K392H-F2BM
	0.0047		11.0	6.5				1.0		FDLDA801V472HGLBM0	DLDA2K472H-F2BM
	0.0056		11.5	7.0				1.2		FDLDA801V562HGLBM0	DLDA2K562H-F2BM
	0.0068	13.0	8.0	1.3	FDLDA801V682HGLBM0	DLDA2K682H-F2BM					
	0.0082	13.5	8.5	1.5	FDLDA801V822HGLBM0	DLDA2K822H-F2BM					
	0.01	11.0	6.5	1.7	FDLDA801V103HGLBM0	DLDA2K103H-F2BM					
	0.012	11.0	6.5	1.9	FDLDA801V123HGLBM0	DLDA2K123H-F2BM					
	0.015	11.5	7.0	2.1	FDLDA801V153HGLBM0	DLDA2K153H-F2BM					
	0.018	13.0	8.0	2.4	FDLDA801V183HGLBM0	DLDA2K183H-F2BM					
	0.022	14.5	8.5	2.6	FDLDA801V223HGLBM0	DLDA2K223H-F2BM					
	0.027	15.5	9.5	2.8	FDLDA801V273HGLBM0	DLDA2K273H-F2BM					
	0.033	16.0	10.0	3.1	FDLDA801V333HGLBM0	DLDA2K333H-F2BM					
	0.039	17.0	10.5	3.3	FDLDA801V393HGLBM0	DLDA2K393H-F2BM					
0.047	15.5	9.5	3.5	FDLDA801V473HGLBM0	DLDA2K473H-F2BM						
0.056	16.0	10.0	4.0	FDLDA801V563HGLBM0	DLDA2K563H-F2BM						
0.068	16.5	11.0	4.5	FDLDA801V683HGLBM0	DLDA2K683H-F2BM						
0.082	17.5	11.5	5.0	FDLDA801V823HGLBM0	DLDA2K823H-F2BM						
0.10	18.5	12.5	5.4	FDLDA801V104HGLBM0	DLDA2K104H-F2BM						
1000 (1250V <sub>dc</sub> )	0.001	18.0	12.0	6.5	15.0	0.8	A	0.28	450	FDLDA102V102HDFDM0	DLDA3A102H-F7DM
	0.0012		12.5	6.5				0.41		FDLDA102V122HDFDM0	DLDA3A122H-F7DM
	0.0015		13.0	7.0				0.54		FDLDA102V152HDFDM0	DLDA3A152H-F7DM
	0.0018		12.5	7.0				0.67		FDLDA102V182HDFDM0	DLDA3A182H-F7DM
	0.0022		13.0	7.5				0.80		FDLDA102V222HDFDM0	DLDA3A222H-F7DM
	0.0027		11.0	6.0				0.93		FDLDA102V272HDFDM0	DLDA3A272H-F7DM
	0.0033		11.0	6.5				1.0		FDLDA102V332HDFDM0	DLDA3A332H-F7DM
	0.0039		11.5	7.0				1.1		FDLDA102V392HDFDM0	DLDA3A392H-F7DM
	0.0047		10.5	5.5				1.3		FDLDA102V472HDFDM0	DLDA3A472H-F7DM

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

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



# ELECTRONIC EQUIPMENT FILM CAPACITOR

## DLDA Series

### ◆STANDARD RATINGS

WV (VH)	Cap (μF)	Dimensions (mm)					TYPE	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)				
		W	H	T	F	φd									
1000 (1250V <sub>dc</sub> )	0.0056	18.0	11.0	6.0	15.0	0.8	A	1.6	450	FDLDA102V562HDFDM0	DLDA3A562H-F7DM				
	0.0068		11.5	6.5				1.9		FDLDA102V682HDFDM0	DLDA3A682H-F7DM				
	0.0082		13.0	7.5				2.2		FDLDA102V822HDFDM0	DLDA3A822H-F7DM				
	0.01		13.5	8.0				2.5		FDLDA102V103HDFDM0	DLDA3A103H-F7DM				
	0.012		15.0	9.0				2.8		FDLDA102V123HDFDM0	DLDA3A123H-F7DM				
	0.015		16.0	9.5				3.1		FDLDA102V153HDFDM0	DLDA3A153H-F7DM				
	0.018		16.5	10.5				3.4		FDLDA102V183HDFDM0	DLDA3A183H-F7DM				
	0.022		17.5	11.5				3.7		FDLDA102V223HDFDM0	DLDA3A223H-F7DM				
	0.027	19.5	12.5	4.0			FDLDA102V273HDFDM0	DLDA3A273H-F7DM							
	0.033	16.5	10.5	4.3			FDLDA102V333HNLDM0	DLDA3A333H-F2DM							
	0.039	17.5	11.0	4.9			FDLDA102V393HNLDM0	DLDA3A393H-F2DM							
	0.047	19.5	12.0	5.5			FDLDA102V473HNLDM0	DLDA3A473H-F2DM							
	0.056	20.5	13.0	6.1			FDLDA102V563HNLDM0	DLDA3A563H-F2DM							
	0.068	21.5	14.5	6.7			FDLDA102V683HNLDM0	DLDA3A683H-F2DM							
	1250 (1600V <sub>dc</sub> )	0.001	18.0	12.0			6.5	15.0		0.8	A	0.35	560	FDLDA1C2V102HDFDM0	DLDA3B102H-F7DM
		0.0012		12.5			6.5					0.51		FDLDA1C2V122HDFDM0	DLDA3B122H-F7DM
0.0015		13.0		7.0	0.67	FDLDA1C2V152HDFDM0	DLDA3B152H-F7DM								
0.0018		12.5		7.0	0.84	FDLDA1C2V182HDFDM0	DLDA3B182H-F7DM								
0.0022		13.0		7.5	1.0	FDLDA1C2V222HDFDM0	DLDA3B222H-F7DM								
0.0027		13.5		8.0	1.1	FDLDA1C2V272HDFDM0	DLDA3B272H-F7DM								
0.0033		14.0		8.5	1.3	FDLDA1C2V332HDFDM0	DLDA3B332H-F7DM								
0.0039		14.5		9.0	1.4	FDLDA1C2V392HDFDM0	DLDA3B392H-F7DM								
0.0047		14.0	7.0	1.6	FDLDA1C2V472HNLDM0	DLDA3B472H-F2DM									
0.0056		14.5	7.5	2.1	FDLDA1C2V562HNLDM0	DLDA3B562H-F2DM									
0.0068		15.5	8.0	2.5	FDLDA1C2V682HNLDM0	DLDA3B682H-F2DM									
0.0082		16.0	8.5	3.0	FDLDA1C2V822HNLDM0	DLDA3B822H-F2DM									
0.01		16.5	9.0	3.5	FDLDA1C2V103HNLDM0	DLDA3B103H-F2DM									
0.012		17.0	10.0	3.9	FDLDA1C2V123HNLDM0	DLDA3B123H-F2DM									
0.015		18.0	11.0	4.3	FDLDA1C2V153HNLDM0	DLDA3B153H-F2DM									
0.018		19.0	12.0	4.7	FDLDA1C2V183HNLDM0	DLDA3B183H-F2DM									
0.022		19.0	11.5	5.1	FDLDA1C2V223HELDM0	DLDA3B223H-F2DM									
0.027		20.0	12.5	5.6	FDLDA1C2V273HELDM0	DLDA3B273H-F2DM									
0.033		21.0	14.0	6.0	FDLDA1C2V333HELDM0	DLDA3B333H-F2DM									
0.039		22.0	15.0	6.5	FDLDA1C2V393HELDM0	DLDA3B393H-F2DM									
0.047		23.5	16.5	7.1	FDLDA1C2V473HELDM0	DLDA3B473H-F2DM									
0.056		25.0	17.5	7.7	FDLDA1C2V563HELDM0	DLDA3B563H-F2DM									
1500 (2000V <sub>dc</sub> )		0.001	18.0	12.0	6.5	15.0	0.8		A		0.39	630		FDLDA152V102HDFDM0	DLDA3L102H-F7DM
		0.0012		12.5	6.5						0.54			FDLDA152V122HDFDM0	DLDA3L122H-F7DM
	0.0015	13.0		7.0	0.69			FDLDA152V152HDFDM0		DLDA3L152H-F7DM					
	0.0018	13.5		7.5	0.85			FDLDA152V182HDFDM0		DLDA3L182H-F7DM					
	0.0022	14.0		8.0	1.0			FDLDA152V222HDFDM0		DLDA3L222H-F7DM					
	0.0027	14.5		9.0	1.1			FDLDA152V272HDFDM0		DLDA3L272H-F7DM					
	0.0033	14.0	7.0	1.3	FDLDA152V332HNLDM0			DLDA3L332H-F2DM							
	0.0039	14.0	7.5	1.6	FDLDA152V392HNLDM0			DLDA3L392H-F2DM							
	0.0047	15.0	8.0	1.9	FDLDA152V472HNLDM0			DLDA3L472H-F2DM							
	0.0056	16.0	8.5	2.3	FDLDA152V562HNLDM0			DLDA3L562H-F2DM							
	0.0068	16.5	9.5	2.6	FDLDA152V682HNLDM0			DLDA3L682H-F2DM							
	0.0082	17.0	10.0	3.3	FDLDA152V822HNLDM0			DLDA3L822H-F2DM							
	0.01	18.0	11.0	3.9	FDLDA152V103HNLDM0			DLDA3L103H-F2DM							
	0.012	19.0	11.5	4.6	FDLDA152V123HNLDM0			DLDA3L123H-F2DM							
	0.015	20.0	13.0	5.2	FDLDA152V153HNLDM0			DLDA3L153H-F2DM							
	0.018	21.5	13.5	5.9	FDLDA152V183HNLDM0			DLDA3L183H-F2DM							

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

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

◆STANDARD RATINGS

WV (VH)	Cap ( $\mu$ F)	Dimensions (mm)					TYPE	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	$\phi$ d					
1800 (2000V <sub>dc</sub> )	0.001	22.5	11.0	6.5	15.0	0.8	B	0.44	710	FDLDA182V102HNLDM0	DLDA3S102H-F2DM
	0.0012		11.5	7.0				0.61		FDLDA182V122HNLDM0	DLDA3S122H-F2DM
	0.0015		13.0	8.0				0.78		FDLDA182V152HNLDM0	DLDA3S152H-F2DM
	0.0018		13.5	8.5				1.0		FDLDA182V182HNLDM0	DLDA3S182H-F2DM
	0.0022		13.0	8.0				1.1		FDLDA182V222HNLDM0	DLDA3S222H-F2DM
	0.0027		15.0	8.5				1.3		FDLDA182V272HNLDM0	DLDA3S272H-F2DM
	0.0033		15.5	9.0				1.4		FDLDA182V332HNLDM0	DLDA3S332H-F2DM
	0.0039		16.0	10.0				1.8		FDLDA182V392HNLDM0	DLDA3S392H-F2DM
	0.0047		17.0	10.5				2.2		FDLDA182V472HNLDM0	DLDA3S472H-F2DM
	0.0056		18.5	11.5				2.6		FDLDA182V562HNLDM0	DLDA3S562H-F2DM
	0.0068	19.5	12.5	3.0	FDLDA182V682HNLDM0	DLDA3S682H-F2DM					
	0.0082	20.5	13.5	3.7	FDLDA182V822HNLDM0	DLDA3S822H-F2DM					
	0.01	22.0	15.0	4.4	FDLDA182V103HNLDM0	DLDA3S103H-F2DM					
	0.012	26.0	21.0	14.0	5.3	FDLDA182V123HELDM0	DLDA3S123H-F2DM				
	0.015		22.5	15.5	6.1	FDLDA182V153HELDM0	DLDA3S153H-F2DM				
	0.018		24.0	16.5	6.4	FDLDA182V183HELDM0	DLDA3S183H-F2DM				

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

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

◆DIMENSIONS (mm)

