



ELECTRONIC EQUIPMENT FILM CAPACITOR

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 _{dc}	
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.
	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
	Dissipation factor (tanδ)	No more than initial specification at 1kHz.
	Capacitance change	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 _{ac})	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 _{ac})	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(V_{ac}) : 50Hz or 60Hz, sine wave



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◆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 _{dc})	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				FDLDA102V682HDFDM0		DLDA3A682H-F7DM		
	0.0082		13.0	7.5				FDLDA102V822HDFDM0		DLDA3A822H-F7DM		
	0.01		13.5	8.0				FDLDA102V103HDFDM0		DLDA3A103H-F7DM		
	0.012		15.0	9.0				FDLDA102V123HDFDM0		DLDA3A123H-F7DM		
	0.015		16.0	9.5				FDLDA102V153HDFDM0		DLDA3A153H-F7DM		
	0.018		16.5	10.5				FDLDA102V183HDFDM0		DLDA3A183H-F7DM		
	0.022		17.5	11.5				FDLDA102V223HDFDM0		DLDA3A223H-F7DM		
	0.027	19.5	12.5	FDLDA102V273HDFDM0	DLDA3A273H-F7DM							
	0.033	16.5	10.5	B	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					
	0.001	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	B	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 _{dc})	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 (μ F)	Dimensions (mm)					TYPE	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	ϕ d					
1800 (2000V _{ac})	0.001	22.5	11.0	6.5	15.0	0.8	B	0.44	710	FDLDA182V102HNLD0	DLDA3S102H-F2DM
	0.0012		11.5	7.0				0.61		FDLDA182V122HNLD0	DLDA3S122H-F2DM
	0.0015		13.0	8.0				0.78		FDLDA182V152HNLD0	DLDA3S152H-F2DM
	0.0018		13.5	8.5				1.0		FDLDA182V182HNLD0	DLDA3S182H-F2DM
	0.0022		13.0	8.0				1.1		FDLDA182V222HNLD0	DLDA3S222H-F2DM
	0.0027		15.0	8.5				1.3		FDLDA182V272HNLD0	DLDA3S272H-F2DM
	0.0033		15.5	9.0				1.4		FDLDA182V332HNLD0	DLDA3S332H-F2DM
	0.0039		16.0	10.0				1.8		FDLDA182V392HNLD0	DLDA3S392H-F2DM
	0.0047		17.0	10.5				2.2		FDLDA182V472HNLD0	DLDA3S472H-F2DM
	0.0056		18.5	11.5				2.6		FDLDA182V562HNLD0	DLDA3S562H-F2DM
	0.0068		19.5	12.5				3.0		FDLDA182V682HNLD0	DLDA3S682H-F2DM
	0.0082		20.5	13.5				3.7		FDLDA182V822HNLD0	DLDA3S822H-F2DM
	0.01	22.0	15.0	4.4	FDLDA182V103HNLD0	DLDA3S103H-F2DM					
	0.012	21.0	14.0	5.3	FDLDA182V123HELD0	DLDA3S123H-F2DM					
	0.015	22.5	15.5	6.1	FDLDA182V153HELD0	DLDA3S153H-F2DM					
	0.018	24.0	16.5	6.4	FDLDA182V183HELD0	DLDA3S183H-F2DM					

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

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

◆DIMENSIONS (mm)

