

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 (1000Vac)	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	20.0	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 (1250Vac)	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

◆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				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	22.5	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
1250 (1600V _{dc})	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	22.5	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	26.0	19.0	11.5				5.1		FDLDA1C2V223HELDLM0	DLDA3B223H-F2DM
	0.027		20.0	12.5				5.6		FDLDA1C2V273HELDLM0	DLDA3B273H-F2DM
	0.033		21.0	14.0				6.0		FDLDA1C2V333HELDLM0	DLDA3B333H-F2DM
	0.039		22.0	15.0				6.5		FDLDA1C2V393HELDLM0	DLDA3B393H-F2DM
	0.047		23.5	16.5				7.1		FDLDA1C2V473HELDLM0	DLDA3B473H-F2DM
	0.056		25.0	17.5				7.7		FDLDA1C2V563HELDLM0	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	22.5	14.0	7.0			B	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 (μF)	Dimensions (mm)					TYPE	Maximum ripple current (Arms)	WV (Vac)	Part Number	Previous Part Number (Just for your reference)
		W	H	T	F	φd					
1800 (2000Vac)	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	26.0	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)

