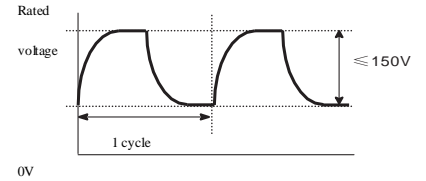


- For frequently change of regenerative voltage from AC servo amplifier and inverter control
- After an application of charge-discharge voltage for 60million times
- integrated foreign capacitor design philosophy ,Panasonic branched ammonia salt and the surface of the nanometer material of completing agent on the electrolyte, the overall parameters of more than similar foreign capacitor
- suitable for Capacitor discharge spot welder Ac spot welder series Automating wire mesh welding

◆ SPECIFIC ATIONS

items	Characteristics		
Category temperature Range	-40~+105℃		
Rated voltage Range	350~450 _{VDC}		
Capacitance Tolerance	± 20% (M) at 20℃/120HZ		
Leakage Current	I=0.02CV or 5mA, whichever is smaller I: Where, I : Max. leakage current (μA), C: Nominal capacitance (μF), Rated voltage (V)at 20℃After 5 minutes)		
Dissipation Factor (tanδ)	0.15max at 20℃/120HZ		
Low Temperature characteristics	Rated voltage(vdc)	350to450V	500to550v
	C (-25℃) /C (+20℃)	≥0.7	≥0.6
Insulation Resistance	When measured between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500Vdc, the insulation resistance shall not be less than 100mΩ		
Insulation Withstanding Voltage	When a voltage of 2,000Vac is applied for 1 minute between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage		
Endurance of charge-discharge behavior	After an application of charge-discharge voltage for 60million times(charge-discharge voltage difference(ΔV)=rated voltage x 0.5,cycle 3HZ)capacitors shell meet the characteristics requirement listed at right at(15℃~35℃)		
	Capacitance change	≤±20% of the initial value	
	D. F. (tanδ)	≤300% of the initial specified value	
	Leakage current	≤The initial specified value	
	Appearance	There shall be found to remarkable abnormality on the capacitor	
	Frequency	3HZ	
	Number of cycles	6.000million times	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1000 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1		
	Capacitance change	≤±20% of the initial value of JIS C 5101-4.	
	D. F. (tanδ)	≤300% of the initial specified value	
	Leakage current	≤The initial specified value	



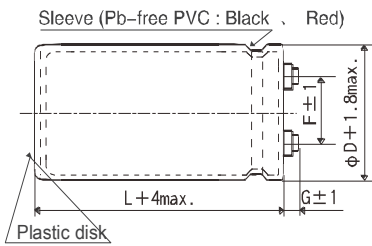
◆ DIMENSIONS[mm]

● Terminal Code : M5

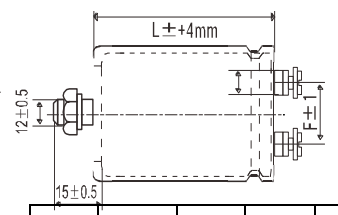
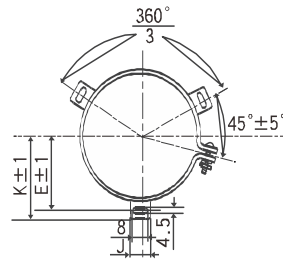
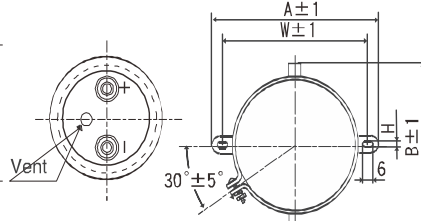
● Mounting Clamp Code : B

● Mounting Clamp Code : C

● NO Mounting Clamp Code : N



035~ 063.5: G=6 076.2~ 089: G=5



Screw specifications

~ ~ Plus hexagon-headed screw M5*0.8*10 M6*1.0*10 0100

Maximum screw tightening torque 3.23N.m The screw and the

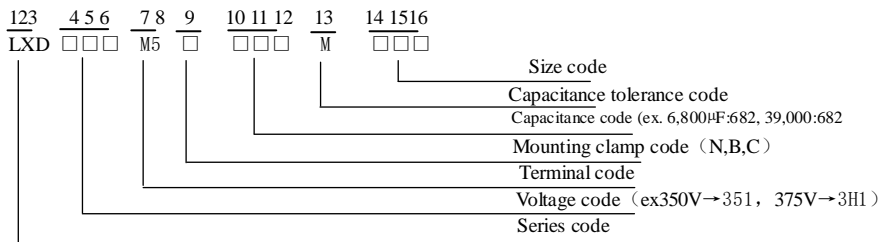
mounting clamp are separately supplied and not attached to the product

∅D	A	B	W	H	F
35	58.0	44.0	48.0	3.5	12.7
50	78.0	64.0	68.0	4.5	22.4
63.5	90.0	76.0	80.0	4.5	28.0
76.2	104.5	90.0	93.5	4.5	31.5

∅D	E	K	F	J
50	32.5	37.0	14.0	22.4
63.5	38.1	43.5	28.0	14.0
76.2	44.5	50.0	31.5	14.0
89	50.8	56.5	31.5	16.0
100	56.5	63.4	41.5	18.0



◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"

STANDARD RATINGS

W. V [Vdc]	cap [μ F]	Case size D x L [mm]	Rated ripple current(Ams/105°C, 12 OHZ)	Max charge Current and Max discharge Current (Arms/3HZ)	Part NO.	W. V [Vdc]	cap [μ F]	Case size D x L [mm]	Rated ripple current(Ams/105°C, 12 OHZ)	Max charge Current and Max discharge Current (Arms/3HZ)	Part NO.
350	1200	50*60	4.7	1.56	LXD351M5C122MC60	375	10000	76.2*155	24.2	8.48	LXD3H1M5C103MEF5
	1500	50*70	5.5	1.83	LXD351M5C152MC70		10000	76.2*170	25.2	8.85	LXD3H1M5C103MEH0
	1800	50*80	6.4	2.13	LXD351M5C182MC80		10000	89*130	24.3	8.54	LXD3H1M5C103MFD0
	2200	50*96	7.6	2.53	LXD351M5C222MC96		12000	89*155	28.4	10.0	LXD3H1M5C123MFF5
	2700	50*105	8.8	2.94	LXD351M5C272MCA5		15000	89*170	33.5	11.7	LXD3H1M5C153MFH0
	2700	50*115	9.2	3.06	LXD351M5C272MCB5		15000	89*190	35.2	12.3	LXD3H1M5C153MFK0
	3300	50*130	10.8	3.58	LXD351M5C332MCD0	400	1000	50*60	4.3	1.42	LXD401M5C102MC60
	4700	63.5*115	13.2	4.61	LXD351M5C472MDB5		1200	50*70	4.9	1.64	LXD401M5C122MC70
	5600	63.5*130	15.2	5.30	LXD351M5C562MDD0		1500	50*80	5.8	1.95	LXD401M5C152MC80
	5600	76.2*105	15.2	5.36	LXD351M5C562MEA5		1800	50*96	6.9	2.29	LXD401M5C182MC96
	6800	63.5*155	18.1	6.32	LXD351M5C682MDF5		2200	50*105	8.0	2.65	LXD401M5C222MCA5
	8200	63.5*170	20.7	7.25	LXD351M5C822MDH0		2200	50*115	8.3	2.77	LXD401M5C222MCB5
	8200	76.2*130	20.2	6.57	LXD351M5C822MED0		2700	50*130	9.8	3.23	LXD401M5C272MCD0
	10000	76.2*155	24.2	8.47	LXD351M5C103MEF5		3900	63.5*115	12.0	4.21	LXD401M5C392MDB5
	10000	89*115	23.1	8.10	LXD351M5C103MFB5		4700	63.5*130	13.9	4.86	LXD401M5C472MDD0
	12000	76.2*170	27.6	9.66	LXD351M5C123MEH0		5600	63.5*155	16.4	5.75	LXD401M5C562MDF5
	12000	89*130	26.6	9.33	LXD351M5C123MFD0		5600	63.5*170	17.1	5.99	LXD401M5C562MDH0
	15000	89*155	32.1	11.2	LXD351M5C153MFF5		5600	76.2*105	15.2	5.35	LXD401M5C562MEA5
15000	89*170	33.5	11.7	LXD351M5C153MFH0	6800	76.2*130	18.4	6.47	LXD401M5C682MED0		
18000	89*190	38.5	13.5	LXD351M5C183MFK0	8200	76.2*155	21.9	7.68	LXD401M5C822MEF5		
375	1000	50*60	4.3	1.42	LXD3H1M5C102MC60	8200	76.2*170	22.8	8.02	LXD401M5C822MEH0	
	1200	50*70	4.9	1.64	LXD3H1M5C122MC70	8200	89*115	20.9	7.35	LXD401M5C822MFB5	
	1500	50*80	5.8	1.94	LXD3H1M5C152MC80	10000	89*130	24.3	8.26	LXD401M5C103MFD0	
	2200	50*96	7.6	2.54	LXD3H1M5C222MC96	12000	89*155	28.7	10.0	LXD401M5C123MFF5	
	2200	50*105	8.0	2.65	LXD3H1M5C222MCA5	12000	89*170	29.9	10.5	LXD401M5C123MFH0	
	2700	50*115	9.2	3.06	LXD3H1M5C272MCB5	15000	89*190	31.2	12.3	LXD401M5C153MFK0	
	3300	50*130	10.8	3.58	LXD3H1M5C332MCD0	420	820	50*60	3.8	1.29	LXD421M5C821MC60
	4700	63.5*115	13.2	4.61	LXD3H1M5C472MDB5		1000	50*70	4.4	1.50	LXD421M5C102MC70
	5600	63.5*130	15.2	5.30	LXD3H1M5C562MDD0		1200	50*80	5.2	1.75	LXD421M5C122MC80
	5600	76.2*105	15.2	5.36	LXD3H1M5C562MEA5		1800	50*96	6.8	2.30	LXD421M5C182MC96
	6800	63.5*155	18.1	6.32	LXD3H1M5C682MDF5		1800	50*105	7.1	2.40	LXD421M5C182MCA5
	6800	63.5*170	18.9	6.60	LXD3H1M5C682MDH0		2200	50*115	8.2	2.77	LXD421M5C222MCB5
	8200	76.2*130	20.2	7.09	LXD3H1M5C822MED0		2700	50*130	9.6	3.25	LXD421M5C272MCD0
	8200	89*115	20.9	7.35	LXD3H1M5C822MFB5		3300	63.5*115	11.0	3.87	LXD421M5C332MDB5



STANDARD RATINGS

W. V [Vdc]	cap [μ F]	Case size D x L [mm]	Rated ripple current (Am s/105°C, 12 OHZ)	Max charge Current and Max discharge Current (Arms/3HZ)	Part NO.	W. V [Vdc]	cap [μ F]	Case size D x L [mm]	Rated ripple current (Am s/105°C, 12 OHZ)	Max charge Current and Max discharge Current (Arms/3HZ)	Part NO.
420	3900	63.5*130	12.7	4.44	LXD421M5C392MDD0	450	1800	50*105	7.1	2.41	LXD451M5C182MCA5
	4700	63.5*155	15.0	5.28	LXD421M5C472MDF5		1800	50*115	7.4	2.51	LXD451M5C182MCB5
	4700	76.2*105	13.9	4.92	LXD421M5C472MEA5		2200	50*130	8.7	2.93	LXD451M5C222MCD0
	5600	63.5*170	17.1	6.02	LXD421M5C562MDH0		3300	63.5*115	11.0	3.88	LXD451M5C332MDB5
	5600	76.2*130	16.6	5.90	LXD421M5C562MED0		3900	63.5*130	12.7	4.44	LXD451M5C392MDD0
	6800	76.2*155	19.8	7.02	LXD421M5C682MEF5		3900	76.2*105	13.2	4.49	LXD451M5C392MEA5
	6800	89*115	19.0	6.73	LXD421M5C682MFB5		4700	63.5*155	15.0	5.27	LXD451M5C472MDF5
	8200	76.2*170	22.7	8.04	LXD421M5C822MEH0		4700	63.5*170	15.6	5.50	LXD451M5C472MDH0
	8200	89*130	22.0	7.78	LXD421M5C822MFD0		5600	76.2*130	16.6	5.88	LXD451M5C562MED0
	10000	89*155	26.2	9.24	LXD421M5C103MFF5		6800	76.2*155	19.8	7.04	LXD451M5C682MEF5
	12000	89*170	29.9	10.5	LXD421M5C123MFH0		6800	89*115	19.0	6.72	LXD451M5C682MFB5
	12000	89*190	31.5	11.0	LXD421M5C123MFK0		8200	76.2*170	22.7	7.97	LXD451M5C822MEH0
450	820	50*60	3.8	1.29	LXD421M5C821MC60	8200	89*130	22.0	7.72	LXD451M5C822MFD0	
	1000	50*70	4.4	1.50	LXD451M5C102MC70	10000	89*155	26.2	9.22	LXD451M5C103MFF5	
	1200	50*80	5.2	1.74	LXD451M5C122MC80	10000	89*170	27.3	9.66	LXD451M5C103MFH0	
	1500	50*96	6.2	2.10	LXD451M5C152MC96	12000	89*190	31.5	11.1	LXD451M5C123MFK0	

◆RTED RIPPLE CURRENT MUTIERS

The ripple frequency and standard list of the specified value is not at the same time, please use the value is less than the following

● Frequency Multiplier

Frequency (HZ)	50	120	300	1K	3K
coefficient	0.8	1.0	1.1	1.3	1.4

Note : The endurance of capacitors is shorted with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the LHD series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact representative of capsun