

Standard Ripple Current RoHS

- Endurance with ripple current:5000hours at 105°C
- RoHS compliant ultra low inductance design, heat sink installation! Very high ripple current
- The application in inverter, drive, traction, industrial equipment, welding equipment

◆SPECIFIC ATIONS

items	characteristics	
Category temperature Range	-40~+105°C	
Rated voltage Range	25~450 _{vac}	
Capacitance Tolerance	-0%~+30% (T) 20°C/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°C after 5 minutes)	
Dissipation Factor (tanδ)	Shall not exceed the values shown in the standard ratings 20°C/120HZ	
Low Temperature characteristics	Capacitance change C (-25°C) /C (+20°C) ≥0.7 20°C/120HZ	
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	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105°C.	
	Capacitance change	≤±5% of the initial value
	D.F. (tanδ)	≤200% of the initial specified value
	Leakage current	≤The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4	
	Capacitance change	≤±5% of the initial value
	D.F. (tanδ)	≤150% of the initial specified value
	Leakage current	≤The initial specified value

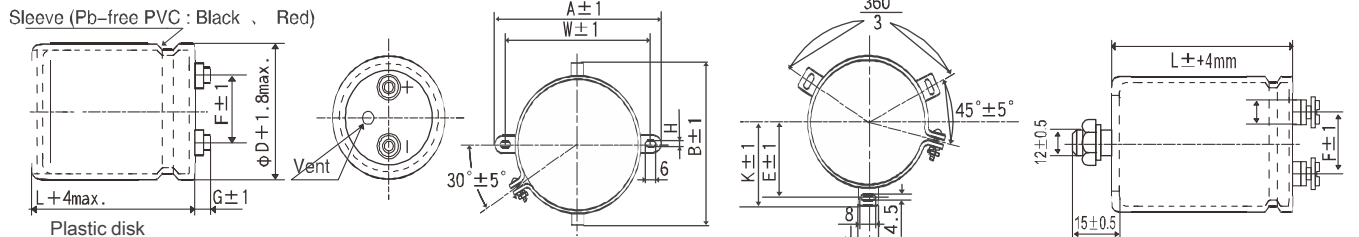
DIMENSIONS [mm]

● 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

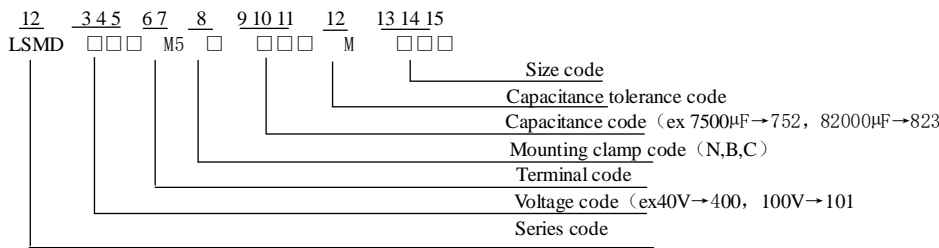
Screw specifications

~ Plus hexagon-headed screw M5*0.8*10 M6*1.0*10 Ø100

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

◆PART NUMBERING SYSTEM

clamp are separately supplied and not attached to the product



ØD	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

ØD	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

Please refer to "Product code guide (screw-mount terminal type)"
Product specifications in this catalog are subject to change without notice. Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications

SRANDRAD RATINGS

W. V [Vdc]	cap [μ F]	Case size D x L [mm]	tanδ 120HZ, 20°C [mΩ]	Rated ripple current (Ams/105 °C 120HZ)	Part NO.	W. V [Vdc]	cap [μ F]	Case size D x L [mm]	tanδ 120HZ, 20°C [mΩ]	Rated ripple current (Ams/105 °C 120HZ)	Part NO.	
25	12000	50*39	0.15	2.5	LSMD250M5C123TC39	160	15000	75*100	0.15	13.8	LSMD161M5C153TEA5	
	20000	50*49	0.15	3.8	LSMD250M5C203TC49		15000	90*69	0.15	13.8	LSMD161M5C153TF69	
40V	7500	50*39	0.15	2.1	LSMD400M5C752TC39	200	18000	90*98	0.15	16.5	LSMD161M5C183TF98	
	12000	50*49	0.15	6.2	LSMD400M5C123TC49		22000	90*98	0.15	18.7	LSMD161M5C223TF98	
	56000	50*80	0.15	12.3	LSMD400M5C563TC80		250v	2200	50*50	0.15	5.0	LSMD201M5C222TC50
	100000	75*69	0.15	16.2	LSMD400M5C104TE69			3300	50*60	0.15	7.0	LSMD201M5C332TC60
	150000	90*69	0.15	20.8	LSMD400M5C154TF69	5600		75*60	0.15	10.2	LSMD201M5C562TE60	
	180000	75*100	0.15	22.9	LSMD400M5C184TEA5	8200		75*69	0.15	13.8	LSMD201M5C822TE69	
	220000	90*98	0.15	28.3	LSMD400M5C224TF98	15000	90*69	0.15	16.2	LSMD201M5C154TF69		
	50	4700	50*39	0.15	3.8	LSMD550M5C472TC39	350	18000	90*98	0.15	18.8	LSMD201M5C184TF98
7500		50*49	0.15	5.1	LSMD550M5C752TC49	3300		50*80	0.15	8.0	LSMD251M5C332TC80	
33000		50*80	0.15	10.5	LSMD550M5C333TC80	5600		75*69	0.15	11.2	LSMD251M5C562TE69	
56000		75*69	0.15	11.6	LSMD550M5C563TE69	400	8200	90*69	0.15	15.4	LSMD251M5C822TF69	
68000		75*100	0.15	18.1	LSMD550M5C683TEA5		10000	75*100	0.15	17.1	LSMD251M5C822TEA5	
82000		90*69	0.15	19.2	LSMD550M5C823TF69		15000	90*98	0.15	23.3	LSMD251M5C153TF98	
150000		90*98	0.15	20.1	LSMD550M5C154TF98		450	1500	50*80	0.15	5.4	LSMD351M5C152TC80
63	3900	50*39	0.15	2.6	LSMD630M5C392TC39	2700		75*69	0.15	7.8	LSMD351M5C272TE69	
	6000	50*49	0.15	6.1	LSMD630M5C602TC49	3900		90*69	0.15	10.6	LSMD351M5C392TF69	
	27000	50*80	0.15	11.4	LSMD630M5C272TC80	4700		75*100	0.15	11.7	LSMD351M5C472TEA5	
	47000	75*69	0.15	16.3	LSMD630M5C473TE69	6800		90*98	0.15	15.7	LSMD351M5C682TF98	
	82000	75*100	0.15	20.4	LSMD630M5C823TEA5	100	1000	50*80	0.15	4.4	LSMD401M5C102TC80	
	82000	90*69	0.15	20.4	LSMD630M5C823TF69		1800	75*69	0.15	6.4	LSMD401M5C182TE69	
	100000	90*69	0.15	23.5	LSMD630M5C104TF69		2200	90*69	0.15	8.1	LSMD401M5C222TF69	
	120000	90*98	0.15	25.2	LSMD630M5C124TF98		3300	75*100	0.15	9.8	LSMD401M5C332TEA5	
100	12000	50*80	0.15	9.0	LSMD101M5C123TC80		3300	90*69	0.15	9.8	LSMD401M5C332TF69	
	22000	75*69	0.15	13.2	LSMD101M5C223TE69	4700	90*98	0.15	13.1	LSMD401M5C472TF98		
	39000	75*100	0.15	19.9	LSMD101M5C393TEA5	160	1000	50*80	0.15	4.4	LSMD451M5C102TC80	
	39000	90*69	0.15	19.9	LSMD101M5C393TF69		1500	75*69	0.15	5.8	LSMD451M5C152TE69	
	47000	90*98	0.15	26.7	LSMD101M5C473TF98		2100	90*69	0.15	7.6	LSMD451M5C212TF69	
	56000	90*98	0.15	26.7	LSMD101M5C563TF98		2200	90*69	0.15	8.0	LSMD451M5C222TF69	
	63000	90*98	0.15	27.2	LSMD101M5C633TF98		3300	75*100	0.15	9.8	LSMD451M5C332TEA5	
160	4700	50*80	0.15	6.3	LSMD161M5C472TC80	3300	90*98	0.15	10.9	LSMD451M5C332TF98		
	8200	75*69	0.15	9.0	LSMD161M5C822TF69	4700	90*98	0.15	14.2	LSMD451M5C472TF98		

◆RTED RIPPLE CURRENT MULIERS

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	100	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 LHA series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact representative of capsun