SHENZHEN CAPSUN ELECTRONIC CO.,LTD
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MV VFD high voltage inverter, Large power supply，frequency conversion electrical

High ripple | Long life | Ripple current | RoHS

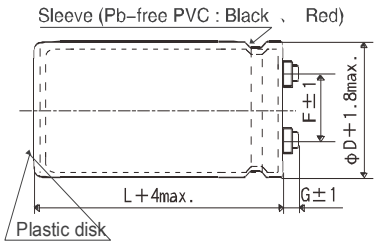
- Rated voltage range up to 525Vdc
- Endurance with ripple current:5000hours at 105℃(2000hours for 500vdc-525vdc)
- High ripple capability ROHS compliant
- Applicable to High voltage power distribution cabinet, security system, Fujitsu Automatic NUmerical Control

## ◆SPECIFIC ATIONS

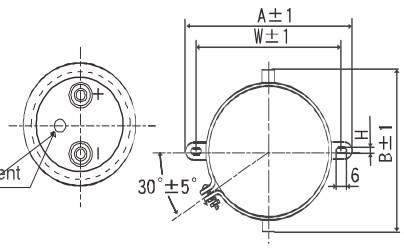
| items | Characteristics |
|---|---|
| Category temperature Range | -40~+105℃（10-100$_{VDC}$）、-25~+105℃（160-525$_{VDC}$） |
| Rated voltage Range | 10~525$_{VDC}$ |
| Capacitance Tolerance | ± 20%（M） at 20℃/120HZ |
| Leakage Current | I=0.02CV or 5mA,whichever is smaller<br>I: Where, I : Max. leakage current（μA）、C: Nominal capacitance（μF）、Rated voltage (V)at 20℃after 5 minutes) |
| Dissipation Factor （tanδ） | See standard ratings(10to250vdc) 0.2max(350vdc~525vdc) at 20℃/120HZ |
| Low Temperature characteristics | Capacitance change C（-40℃）/C（+20℃）≥0.6(10to100vdc) C（-25℃）/C（+20℃）≥0.7(160to250vdc)<br>C（-25℃）/C（+20℃）≥0.65(350to525vdc) at 20℃/120HZ |
| Insulation Resistance | When measured between the terminals that are connected to each other and to the mounting damp 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℃ 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℃。(2000hours for 500&525vdc products at 105℃)<br>Capacitance change: ≤±20% of the initial value<br>D.F. (tanδ ): ≤200% of the initial specified value<br>Leakage current: ≤The initial specified value |
| 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 of JIS C 5101-4<br>Capacitance change: ≤±20% of the initial value<br>D.F. (tanδ ): ≤150% of the initial specified value<br>Leakage current: ≤The initial specified value |

## ◆ DIMENSIONS[mm]

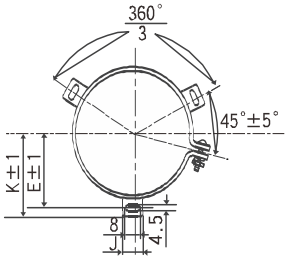
● Terminal Code : M5



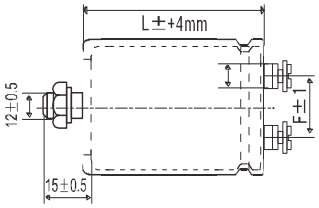

● Mounting Clamp Code : B




● Mounting Clamp Code : C




● NO Mounting Clamp Code : N




| 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 |

Ø35~ Ø63.5：G=6

Ø76.2~ Ø89：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 clamp are separately supplied and not attached to the product

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MV VFD high voltage inverter, Large power supply，frequency conversion electrical

## ◆PART NUMBERING SYSTEM

| 123 | 456 | 78 | 9 | 10 1112 | 13 | 141516 |
|---|---|---|---|---|---|---|
| LHA | □□□ | M5 | □ | □□□ | M | □□□ |

- 141516 — Size code
- 13 — Capacitance tolerance code
- 10 1112 — Capacitance code (ex. 6,800μF:682, 39,000:682
- 9 — Mounting clamp code（N,B,C）
- 78 — Terminal code
- 456 — Voltage code（ex10V→100，525V→5C1）
- 123 — Series code

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

## SRANDRAD RATINGS

| W.V [Vdc] | cap [μF] | Case size D x L [mm] | tanδ 120HZ,20℃ | Rated ripple current(Ams/105℃, 120HZ) | Part NO. | W.V [Vdc] | cap [μF] | Case size D x L [mm] | tanδ 120HZ,20℃ | Rated ripple current(Ams/105℃, 120HZ) | Part NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 27000 | 35*80 | 0.45 | 4.3 | LHA100M5B273TA80 | 25 | 22000 | 35*80 | 0.35 | 4.5 | LHA250M5B223TA80 |
| | 33000 | 35*80 | 0.45 | 4.7 | LHA100M5B333TA80 | | 27000 | 35*100 | 0.4 | 5.0 | LHA250M5B273TAA0 |
| | 39000 | 35*80 | 0.45 | 5.3 | LHA100M5B393TA80 | | 33000 | 35*120 | 0.4 | 5.9 | LHA250M5B333TAC0 |
| | 47000 | 35*100 | 0.45 | 6.1 | LHA100M5B473TAA0 | | 39000 | 50*80 | 0.4 | 6.5 | LHA250M5C393TC80 |
| | 56000 | 35*100 | 0.5 | 6.2 | LHA100M5B563TAA0 | | 47000 | 50*100 | 0.4 | 7.9 | LHA250M5C473TCA0 |
| | 68000 | 35*120 | 0.6 | 6.8 | LHA100M5B683TAC0 | | 56000 | 50*120 | 0.4 | 8.8 | LHA250M5C563TCC0 |
| | 82000 | 50*80 | 0.6 | 7.8 | LHA100M5C823TC80 | | 68000 | 50*120 | 0.5 | 9.1 | LHA250M5C683TCC0 |
| | 100000 | 50*100 | 0.7 | 8.5 | LHA100M5C104TCA0 | | 82000 | 63.5*100 | 0.5 | 10.6 | LHA250M5C823TDA0 |
| | 120000 | 50*100 | 0.7 | 9.5 | LHA100M5C124TCA0 | | 100000 | 63.5*120 | 0.6 | 11.4 | LHA250M5C104TDC0 |
| | 150000 | 63.5*100 | 0.8 | 11.0 | LHA100M5C154TDA0 | | 120000 | 76.2*100 | 0.6 | 12.8 | LHA250M5C124TEA0 |
| | 180000 | 63.5*100 | 0.8 | 12.1 | LHA100M5C184TDA0 | | 150000 | 76.2*120 | 0.75 | 13.7 | LHA250M5C154TEC0 |
| | 220000 | 76.2*100 | 1.0 | 13.2 | LHA100M5C224TEA0 | | 180000 | 76.2*140 | 0.75 | 16.1 | LHA250M5C184TEE0 |
| | 270000 | 76.2*120 | 1.2 | 14.4 | LHA100M5C274TEC0 | | 220000 | 89*140 | 1.0 | 16.6 | LHA250M5C224TFE0 |
| | 330000 | 76.2*140 | 1.2 | 17.0 | LHA100M5C334TEE0 | 35 | 8200 | 35*80 | 0.3 | 3.0 | LHA350M5B822TA80 |
| | 390000 | 89*140 | 1.4 | 18.6 | LHA100M5C394TFE0 | | 10000 | 35*80 | 0.3 | 3.3 | LHA350M5B103TA80 |
| 16 | 15000 | 35*50 | 0.45 | 2.9 | LHA160M5B153TA50 | | 12000 | 35*80 | 0.3 | 3.6 | LHA350M5B123TA80 |
| | 18000 | 35*80 | 0.45 | 3.5 | LHA160M5B183TA80 | | 15000 | 35*80 | 0.3 | 4.1 | LHA350M5B153TA80 |
| | 22000 | 35*80 | 0.45 | 3.9 | LHA160M5B223TA80 | | 18000 | 35*100 | 0.3 | 4.8 | LHA350M5B183TAA0 |
| | 27000 | 35*80 | 0.45 | 4.3 | LHA160M5B273TA80 | | 22000 | 35*120 | 0.35 | 5.2 | LHA350M5B223TAC0 |
| | 33000 | 35*100 | 0.5 | 4.8 | LHA160M5B333TAA0 | | 27000 | 50*80 | 0.4 | 5.9 | LHA350M5C273TC80 |
| | 39000 | 35*100 | 0.5 | 5.3 | LHA160M5B393TAA0 | | 33000 | 50*100 | 0.4 | 6.6 | LHA350M5C333TCA0 |
| | 47000 | 35*120 | 0.5 | 6.2 | LHA160M5B473TAC0 | | 39000 | 50*120 | 0.4 | 7.8 | LHA350M5C393TCC0 |
| | 56000 | 50*80 | 0.6 | 6.3 | LHA160M5C563TC80 | | 47000 | 50*120 | 0.45 | 8.0 | LHA350M5C473TCC0 |
| | 68000 | 50*100 | 0.6 | 7.6 | LHA160M5C683TCA0 | | 56000 | 63.5*100 | 0.45 | 9.2 | LHA350M5C563TDA0 |
| | 82000 | 50*120 | 0.7 | 8.3 | LHA160M5C823TCC0 | | 68000 | 63.5*120 | 0.45 | 11.0 | LHA350M5C683TDC0 |
| | 100000 | 50*120 | 0.7 | 9.2 | LHA160M5C104TCC0 | | 82000 | 76.2*120 | 0.5 | 12.7 | LHA350M5C823TEC0 |
| | 120000 | 63.5*100 | 0.8 | 9.9 | LHA160M5C124TDA0 | | 100000 | 76.2*140 | 0.6 | 13.5 | LHA350M5C104TEE0 |
| | 150000 | 76.2*100 | 0.8 | 12.3 | LHA160M5C154TEA0 | | 120000 | 89*140 | 0.6 | 16.1 | LHA350M5C124TFE0 |
| | 180000 | 76.2*120 | 0.8 | 14.5 | LHA160M5C184TEC0 | 50 | 3900 | 35*50 | 0.2 | 2.0 | LHA500M5B392TA50 |
| | 220000 | 76.2*140 | 1.0 | 15.2 | LHA160M5C224TEE0 | | 4700 | 35*50 | 0.25 | 2.2 | LHA500M5B472TA50 |
| | 270000 | 89*140 | 1.2 | 16.8 | LHA160M5C274TFE0 | | 5600 | 35*80 | 0.25 | 2.8 | LHA500M5B562TA80 |
| 25 | 12000 | 35*80 | 0.35 | 3.3 | LHA250M5B123TA80 | | 6800 | 35*80 | 0.25 | 3.0 | LHA500M5B682TA80 |
| | 15000 | 35*80 | 0.35 | 3.7 | LHA250M5B153TA80 | | 8200 | 35*80 | 0.25 | 3.3 | LHA500M5B822TA80 |
| | 18000 | 35*80 | 0.35 | 4.0 | LHA250M5B183TA80 | | 10000 | 35*80 | 0.25 | 3.7 | LHA500M5B103TA80 |

OART NUMBERING SYSTEM

| W.V [Vdc] | cap [μ F] | Case size D x L [mm] | tanδ 120HZ,20℃ | Rated ripple current(Ams/105℃, 120HZ) | Part NO. |
|---|---|---|---|---|---|
| 50 | 12000 | 35*100 | 0.25 | 4.4 | LHA500M5B123TAA0 |
| | 15000 | 35*120 | 0.3 | 4.7 | LHA500M5B153TAC0 |
| | 18000 | 50*80 | 0.35 | 4.8 | LHA500M5C183TC80 |
| | 22000 | 50*100 | 0.35 | 5.9 | LHA500M5C223TCA0 |
| | 27000 | 50*120 | 0.35 | 7.0 | LHA500M5C273TCC0 |
| | 33000 | 63.5*100 | 0.4 | 7.6 | LHA500M5C333TDA0 |
| | 39000 | 63.5*120 | 0.4 | 8.9 | LHA500M5C393TDC0 |
| | 47000 | 63.5*120 | 0.4 | 9.8 | LHA500M5C473TDC0 |
| | 56000 | 76.2*120 | 0.4 | 11.9 | LHA500M5C563TEC0 |
| | 68000 | 76.2*140 | 0.45 | 13.1 | LHA500M5C683TEE0 |
| | 82000 | 89*140 | 0.5 | 14.8 | LHA500M5C823TFE0 |
| 63 | 2700 | 35*50 | 0.15 | 1.9 | LHA630M5B272TA50 |
| | 3300 | 35*50 | 0.15 | 2.1 | LHA630M5B332TA50 |
| | 3900 | 35*80 | 0.2 | 2.7 | LHA630M5B392TA80 |
| | 4700 | 35*80 | 0.2 | 2.9 | LHA630M5B472TA80 |
| | 5600 | 35*80 | 0.2 | 3.2 | LHA630M5B562TA80 |
| | 6800 | 35*80 | 0.2 | 3.5 | LHA630M5B682TA80 |
| | 8200 | 35*100 | 0.2 | 4.2 | LHA630M5B822TAA0 |
| | 10000 | 35*120 | 0.25 | 4.3 | LHA630M5B103TAC0 |
| | 12000 | 50*80 | 0.25 | 4.8 | LHA630M5C123TC80 |
| | 15000 | 50*100 | 0.25 | 5.9 | LHA630M5C153TCA0 |
| | 18000 | 50*120 | 0.25 | 6.3 | LHA630M5C183TCC0 |
| | 22000 | 50*120 | 0.3 | 6.7 | LHA630M5C223TCC0 |
| | 27000 | 63.5*120 | 0.3 | 8.8 | LHA630M5C273TDC0 |
| | 33000 | 76.2*100 | 0.3 | 10.0 | LHA630M5C333TEA0 |
| | 39000 | 76.2*120 | 0.35 | 10.7 | LHA630M5C393TEC0 |
| | 47000 | 76.2*140 | 0.35 | 12.5 | LHA630M5C473TEE0 |
| | 56000 | 89*140 | 0.4 | 13.8 | LHA630M5C563TFE0 |
| 80 | 2200 | 35*50 | 0.15 | 1.9 | LHA800M5B222TA50 |
| | 2700 | 35*80 | 0.15 | 2.2 | LHA800M5B272TA80 |
| | 3300 | 30*80 | 0.15 | 2.5 | LHA800M5B332TA80 |
| | 3900 | 35*80 | 0.15 | 2.9 | LHA800M5B392TA80 |
| | 4700 | 35*100 | 0.15 | 3.1 | LHA800M5B472TAA0 |
| | 5600 | 35*100 | 0.15 | 3.5 | LHA800M5B562TAA0 |
| | 6800 | 35*120 | 0.2 | 4.1 | LHA800M5B682TAC0 |
| | 8200 | 50*80 | 0.2 | 4.8 | LHA800M5C822TC80 |
| | 10000 | 50*100 | 0.2 | 5.6 | LHA800M5C103TCA0 |
| | 12000 | 50*100 | 0.2 | 6.1 | LHA800M5C123TCA0 |
| | 15000 | 50*120 | 0.2 | 7.4 | LHA800M5C153TCC0 |
| 80 | 18000 | 63.5*120 | 0.25 | 8.0 | LHA800M5C183TDC0 |
| | 22000 | 76.2*100 | 0.25 | 9.1 | LHA800M5C223TEA0 |
| | 27000 | 76.2*120 | 0.3 | 9.7 | LHA800M5C273TEC0 |
| | 33000 | 76.2*140 | 0.3 | 11.5 | LHA800M5C333TEE0 |
| | 39000 | 89*140 | 0.35 | 12.5 | LHA800M5C393TFE0 |
| 100 | 1200 | 35*50 | 0.15 | 1.4 | LHA101M5B122TA50 |
| | 1500 | 35*80 | 0.15 | 1.6 | LHA101M5B152TA80 |
| | 1800 | 35*80 | 0.15 | 1.8 | LHA101M5B182TA80 |
| | 2200 | 35*80 | 0.15 | 2.0 | LHA101M5B222TA80 |
| | 2700 | 35*50 | 0.15 | 2.4 | LHA101M5B272TA80 |
| | 3300 | 35*100 | 0.15 | 2.8 | LHA101M5B332TAA0 |
| | 3900 | 35*120 | 0.15 | 3.1 | LHA101M5B392TAC0 |
| | 4700 | 50*80 | 0.15 | 3.6 | LHA101M5C472TC80 |
| | 5600 | 50*100 | 0.15 | 4.3 | LHA101M5C562TCA0 |
| | 6800 | 50*120 | 0.15 | 5.0 | LHA101M5C682TCC0 |
| | 8200 | 50*120 | 0.15 | 5.5 | LHA101M5C822TCC0 |
| | 10000 | 63.5*100 | 0.15 | 6.4 | LHA101M5C103TDA0 |
| | 12000 | 63.5*120 | 0.2 | 6.6 | LHA101M5C123TDC0 |
| | 15000 | 76.2*100 | 0.2 | 7.5 | LHA101M5C153TEA0 |
| | 18000 | 76.2*120 | 0.25 | 8.0 | LHA101M5C183TEC0 |
| | 22000 | 76.2*140 | 0.25 | 9.4 | LHA101M5C223TEE0 |
| | 27000 | 89*140 | 0.3 | 10.4 | LHA101M5C273TFE0 |
| 160 | 680 | 35*50 | 0.15 | 1.1 | LHA161M5B681TA50 |
| | 820 | 35*80 | 0.15 | 1.2 | LHA161M5B821TA80 |
| | 1000 | 35*80 | 0.15 | 1.3 | LHA161M5B102TA80 |
| | 1200 | 35*80 | 0.15 | 1.5 | LHA161M5B122TA80 |
| | 1500 | 35*80 | 0.15 | 1.7 | LHA161M5B152TA80 |
| | 1800 | 35*100 | 0.15 | 2.0 | LHA161M5B182TAA0 |
| | 2200 | 35*120 | 0.15 | 2.3 | LHA161M5B222TAC0 |
| | 2700 | 35*120 | 0.15 | 2.7 | LHA161M5B272TAC0 |
| | 3300 | 50*100 | 0.15 | 3.3 | LHA161M5C332TCA0 |
| | 3900 | 50*120 | 0.15 | 3.8 | LHA161M5C392TCC0 |
| | 4700 | 50*120 | 0.15 | 4.2 | LHA161M5C472TCC0 |
| | 5600 | 50*120 | 0.15 | 4.7 | LHA161M5C562TCC0 |
| | 6800 | 63.5*120 | 0.15 | 5.7 | LHA161M5C682TDC0 |
| | 8200 | 76.2*100 | 0.2 | 6.4 | LHA161M5C822TEA0 |
| | 10000 | 76.2*120 | 0.2 | 6.6 | LHA161M5C103TEC0 |
| | 12000 | 76.2*140 | 0.2 | 7.8 | LHA161M5C123TEE0 |
| | 15000 | 89*140 | 0.2 | 9.5 | LHA161M5C153TFE0 |

OART NUMBERING SYSTEM

| W.V [Vdc] | cap [μ F] | Case size D x L [mm] | tanδ 120HZ,20 ℃ | Rated ripple current(Ams/105℃, 120HZ） | Part NO. |
|---|---|---|---|---|---|
| 200 | 470 | 35*50 | 0.15 | 0.9 | LHA201M5B471TA50 |
| | 560 | 35*80 | 0.15 | 1.0 | LHA201M5B561TA80 |
| | 680 | 35*80 | 0.15 | 1.1 | LHA201M5B681TA80 |
| | 820 | 35*80 | 0.15 | 1.3 | LHA201M5B821TA80 |
| | 1000 | 35*100 | 0.15 | 1.5 | LHA201M5B102TAA0 |
| | 1200 | 35*120 | 0.15 | 1.7 | LHA201M5B122TAC0 |
| | 1500 | 35*120 | 0.15 | 1.9 | LHA201M5B152TAC0 |
| | 1800 | 50*80 | 0.15 | 2.2 | LHA201M5C182TC80 |
| | 2200 | 50*100 | 0.15 | 2.7 | LHA201M5C222TCA0 |
| | 2700 | 50*120 | 0.15 | 3.2 | LHA201M5C272TCC0 |
| | 3300 | 50*120 | 0.15 | 3.5 | LHA201M5C332TCC0 |
| | 3900 | 63.5*100 | 0.15 | 4.0 | LHA201M5C392TDA0 |
| | 4700 | 63.5*120 | 0.15 | 4.7 | LHA201M5C472TDC0 |
| | 5600 | 76.2*100 | 0.15 | 5.3 | LHA201M5C562TEA0 |
| | 6800 | 76.2*120 | 0.15 | 6.3 | LHA201M5C682TEC0 |
| | 8200 | 76.2*140 | 0.2 | 6.4 | LHA201M5C822TEE0 |
| | 10000 | 89*140 | 0.2 | 7.7 | LHA201M5C103TFE0 |
| 250 | 330 | 35*50 | 0.15 | 0.7 | LHA251M5B331TA50 |
| | 390 | 35*80 | 0.15 | 0.8 | LHA251M5B391TA80 |
| | 470 | 35*80 | 0.15 | 0.9 | LHA251M5B471TA80 |
| | 560 | 35*80 | 0.15 | 1.0 | LHA251M5B561TA80 |
| | 680 | 35*100 | 0.15 | 1.2 | LHA251M5B681TAA0 |
| | 820 | 35*100 | 0.15 | 1.4 | LHA251M5B821TAA0 |
| | 1000 | 35*120 | 0.15 | 1.6 | LHA251M5B102TAC0 |
| | 1200 | 50*80 | 0.15 | 1.8 | LHA251M5C122TC80 |
| | 1500 | 50*100 | 0.15 | 2.2 | LHA251M5C152TCA0 |
| | 2200 | 50*120 | 0.15 | 2.8 | LHA251M5C222TCC0 |
| | 2700 | 63.5*100 | 0.15 | 3.3 | LHA251M5C272TDA0 |
| | 3300 | 63.5*120 | 0.15 | 4.0 | LHA251M5C332TDC0 |
| | 3900 | 76.2*100 | 0.15 | 4.4 | LHA251M5C392TEA0 |
| | 4700 | 76.2*120 | 0.15 | 5.2 | LHA251M5C472TEC0 |
| | 5600 | 76.2*140 | 0.15 | 6.1 | LHA251M5C562TEE0 |
| | 6800 | 89*140 | 0.15 | 7.4 | LHA251M5C682TFE0 |
| 350 | 820 | 50*60 | 0.2 | 3.3 | LHA351M5C821MC60 |
| | 1500 | 50*85 | 0.2 | 5.2 | LHA351M5C152MC85 |
| | 2200 | 50*105 | 0.2 | 7.0 | LHA351M5C222MCA5 |
| | 2700 | 50*125 | 0.2 | 8.4 | LHA351M5C272MCC5 |
| | 2700 | 63.5*85 | 0.2 | 8.1 | LHA351M5C272MD85 |
| | 3300 | 50*145 | 0.2 | 9.9 | LHA351M5C332MCE5 |
| | 3300 | 63.5*105 | 0.2 | 9.8 | LHA351M5C332MDA5 |
| | 3900 | 63.5*125 | 0.2 | 11.5 | LHA351M5C392MDC5 |
| | 3900 | 76.2*85 | 0.2 | 10.8 | LHA351M5C392ME85 |
| | 5600 | 63.5*145 | 0.2 | 14.7 | LHA351M5C562MDE5 |
| 350 | 6800 | 76.2*125 | 0.2 | 16.8 | LHA351M5C682MEC5 |
| | 8200 | 76.2*145 | 0.2 | 19.6 | LHA351M5C822MEE5 |
| | 8200 | 89*125 | 0.2 | 18.9 | LHA351M5C822MFC5 |
| | 10000 | 76.2*190 | 0.2 | 23.0 | LHA351M5C103MEK0 |
| | 10000 | 89*145 | 0.2 | 22.2 | LHA351M5C103MFE5 |
| | 15000 | 89*190 | 0.2 | 30.6 | LHA351M5C153MFK0 |
| | 22000 | 89*270 | 0.2 | 43.5 | LHA351M5C223MFT0 |
| 400 | 680 | 50*60 | 0.2 | 3.0 | LHA401M5C681MC60 |
| | 1200 | 50*85 | 0.2 | 4.7 | LHA401M5C122MC85 |
| | 1800 | 50*105 | 0.2 | 6.3 | LHA401M5C182MCA5 |
| | 2200 | 50*125 | 0.2 | 7.5 | LHA401M5C222MCC5 |
| | 2200 | 63.5*85 | 0.2 | 7.3 | LHA401M5C222MD85 |
| | 2700 | 50*145 | 0.2 | 8.9 | LHA401M5C272MCE5 |
| | 2700 | 63.5*105 | 0.2 | 8.8 | LHA401M5C272MDA5 |
| | 3300 | 63.5*125 | 0.2 | 10.5 | LHA401M5C332MDC5 |
| | 3300 | 76.2*85 | 0.2 | 9.9 | LHA401M5C332ME85 |
| | 4700 | 63.5*145 | 0.2 | 13.4 | LHA401M5C472MDE5 |
| | 4700 | 76.2*125 | 0.2 | 13.9 | LHA401M5C472MEC5 |
| | 6800 | 76.2*145 | 0.2 | 17.9 | LHA401M5C682MEE5 |
| | 6800 | 89*125 | 0.2 | 17.2 | LHA401M5C682MFC5 |
| | 8200 | 76.2*190 | 0.2 | 20.8 | LHA401M5C822MEK0 |
| | 8200 | 89*145 | 0.2 | 20.1 | LHA401M5C822MFE5 |
| | 12000 | 89*190 | 0.2 | 27.4 | LHA401M5C123MFK0 |
| | 18000 | 89*270 | 0.2 | 39.4 | LHA401M5C183MFT0 |
| 450 | 560 | 50*60 | 0.2 | 2.6 | LHA451M5C561MC60 |
| | 1000 | 50*85 | 0.2 | 4.0 | LHA451M5C102MC85 |
| | 1200 | 50*105 | 0.2 | 4.8 | LHA451M5C122MCA5 |
| | 1800 | 50*125 | 0.2 | 6.4 | LHA451M5C182MCC5 |
| | 1800 | 63.5*85 | 0.2 | 6.2 | LHA451M5C182MD85 |
| | 2200 | 50*145 | 0.2 | 7.6 | LHA451M5C222MCE5 |
| | 2200 | 63.5*105 | 0.2 | 7.5 | LHA451M5C222MDA5 |
| | 2700 | 63.5*125 | 0.2 | 8.9 | LHA451M5C272MDC5 |
| | 2700 | 76.2*85 | 0.2 | 8.4 | LHA451M5C272ME85 |
| | 3300 | 63.5*145 | 0.2 | 10.6 | LHA451M5C332MDE5 |
| | 3300 | 76.2*105 | 0.2 | 10.2 | LHA451M5C332MEA5 |
| | 3900 | 76.2*125 | 0.2 | 11.9 | LHA451M5C392MEC5 |
| | 4700 | 76.2*145 | 0.2 | 11.9 | LHA451M5C472MEE5 |
| | 5600 | 89*125 | 0.2 | 14.2 | LHA451M5C562MFC5 |
| | 6800 | 76.2*190 | 0.2 | 17.3 | LHA451M5C682MEK0 |
| | 6800 | 89*145 | 0.2 | 16.7 | LHA451M5C682MFE5 |
| | 10000 | 89*190 | 0.2 | 22.8 | LHA451M5C103MFK0 |
| | 15000 | 89*270 | 0.2 | 32.8 | LHA451M5C153MFT0 |
| 500 | 470 | 50*60 | 0.2 | 2.4 | LHA501M5C471MC60 |

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OART NUMBERING SYSTEM

| W.V [Vdc] | cap [μ F] | Case size D x L [mm] | tanδ 120HZ,20 ℃ | Rated ripple current(Ams/105℃, 120HZ) | Part NO. | | W.V [Vdc] | cap [μ F] | Case size D x L [mm] | tanδ 120HZ,20 ℃ | Rated ripple current(Ams/105℃, 120HZ) | Part NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 820 | 50*85 | 0.2 | 3.6 | LHA501M5C821MC85 | | 525 | 390 | 50*60 | 0.2 | 2.2 | LHA5C1M5C391MC60 |
| | 1000 | 50*105 | 0.2 | 4.4 | LHA501M5C102MCA5 | | | 680 | 50*85 | 0.2 | 3.3 | LHA5C1M5C681MC85 |
| | 1200 | 50*125 | 0.2 | 5.2 | LHA501M5C122MCC5 | | | 1000 | 50*125 | 0.2 | 4.8 | LHA5C1M5C102MCC5 |
| | 1200 | 63.5*85 | 0.2 | 5.0 | LHA501M5C122MD85 | | | 1500 | 63.5*105 | 0.2 | 6.2 | LHA5C1M5C152MDA5 |
| | 1500 | 50*145 | 0.2 | 6.3 | LHA501M5C152MCE5 | | | 1800 | 63.5*125 | 0.2 | 7.3 | LHA5C1M5C182MDC5 |
| | 1800 | 63.5*105 | 0.2 | 6.8 | LHA501M5C182MDA5 | | | 2200 | 63.5*145 | 0.2 | 8.6 | LHA5C1M5C222MDE5 |
| | 2700 | 63.5*145 | 0.2 | 9.6 | LHA501M5C272MDE5 | | | 2200 | 76.2*105 | 0.2 | 8.3 | LHA5C1M5C222MEA5 |
| | 2700 | 76.2*105 | 0.2 | 9.2 | LHA501M5C272MEA5 | | | 2700 | 76.2*125 | 0.2 | 9.9 | LHA5C1M5C272MEC5 |
| | 3900 | 76.2*145 | 0.2 | 12.7 | LHA501M5C392MEE5 | | | 3300 | 76.2*145 | 0.2 | 11.7 | LHA5C1M5C332MEE5 |
| | 3900 | 89*125 | 0.2 | 11.9 | LHA501M5C392MFC5 | | | 4700 | 76.2*190 | 0.2 | 14.4 | LHA5C1M5C472MEK0 |
| | 6800 | 89*190 | 0.2 | 18.8 | LHA501M5C682MFK0 | | | 4700 | 89*145 | 0.2 | 13.9 | LHA5C1M5C472MFE5 |
| | 10000 | 89*270 | 0.2 | 26.8 | LHA501M5C103MFT0 | | | 5600 | 89*190 | 0.2 | 17.1 | LHA5C1M5C562MFK0 |

## ◆ RTED RIPPLE CURRENT MUIERS

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 | 10K | 50K |
|---|---|---|---|---|---|---|---|
| 10～50VDC | 0.95 | 1.00 | 1.03 | 1.05 | - | 1.09 | 1.12 |
| 63～80VDC | 0.90 | 1.00 | 1.06 | 1.10 | - | 1.18 | 1.22 |
| 100～250VDC | 0.80 | 1.00 | 1.12 | 1.22 | - | 1.30 | 1.33 |
| 350～525VDC | 0.80 | 1.00 | 1.20 | 1.50 | 1.60 | - | - |

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℃ rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the LWS series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact representative of capsun