

LXD SERIES

Electrolytic capacitors for rapid strobe flash applications.

◆ FEATURES

Long life under rapid charge and discharge use in soliding machine.

◆ CAUTION

LX Pseries is designed, manufactured and intended solely for use in soliding machine.



◆ SPECIFICATIONS

| Items | Characteristics | | | | | | |
|----------------------------|---|--------------------|-----------------------------------|--------------------|--|-----------------|--|
| Category Temperature Range | -25~+70°C | | | | | | |
| Rated Voltage Range | 250WV 300WV 350WV 450WV 475WV | | | | | | |
| Withstand Voltage | 300VDC 350VDC 400VDC 500VDC 525VDC | | | | | | |
| Capacitance Tolerance | -10~+20% (25°C, 120Hz) | | | | | | |
| Leakage Current(MAX) | $I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) V=Rated Voltage(V) C=Rated Capacitance(μF) | | | | | | |
| Dissipation | 0.07 (25°C, 120Hz) | | | | | | |
| Charge and Discharge | Charge and discharge at rated voltage at 45°C in every 1 second for 1 million times <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±10% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 200% of the specified value.</td> </tr> </table> | Capacitance Change | Within ±10% of the initial value. | Dissipation Factor | Not more than 150% of the specified value. | Leakage Current | Not more than 200% of the specified value. |
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| Dissipation Factor | Not more than 150% of the specified value. | | | | | | |
| Leakage Current | Not more than 200% of the specified value. | | | | | | |
| Shelf Life | Storage without voltage applied at 70°C for 500 hours and measured at 25°C±5°C after voltage processing in JIS C 5102 item 4.4. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±10% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than 300% of the specified value.</td> </tr> </table> | Capacitance Change | Within ±10% of the initial value. | Dissipation Factor | Not more than 150% of the specified value. | Leakage Current | Not more than 300% of the specified value. |
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| Leakage Current | Not more than 300% of the specified value. | | | | | | |

◆ DIMENSIONS

(mm)

| φD | W1 | W2 | W3 | W4 | W5 | P |
|----|------|------|-----|----|----|------|
| 36 | 24.0 | 30.0 | 3.5 | 7 | 10 | 12.7 |
| 51 | 32.5 | 37.5 | 4.5 | 6 | 12 | 21.8 |
| 64 | 38.0 | 43.0 | 4.5 | 8 | 14 | 28.2 |
| 77 | 43.5 | 49.0 | 4.5 | 7 | 14 | 31.4 |
| 90 | 50.8 | 56.0 | 4.5 | 8 | 16 | 31.4 |