

◆ SPECIFICATIONS

| Items                            | Characteristics                                                                                                        |                                            |          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------|
| Category Temperature Range       | —25℃～125℃                                                                                                              |                                            |          |
| Rated Voltage Range              | 160V～450V DC                                                                                                           |                                            |          |
| Capacitance Tolerance (20℃120Hz) | ±20 %                                                                                                                  |                                            |          |
| Leakage Current (MAX)            | I=0.04CV+100μA(After 2 minutes)<br>I: Leakage Current(μA) C: Capacitance(μF) V: Rated Voltage(V)                       |                                            |          |
| Dissipation Factor (20℃120Hz)    | Rated Voltage(V)                                                                                                       | 160--250                                   | 400--450 |
|                                  | tgδ                                                                                                                    | 0.20                                       | 0.25     |
| Endurance                        | After life test with rated ripple current for 5000 hours at 125℃, the capacitors shall meet the following requirement. |                                            |          |
|                                  | Capacitance Change                                                                                                     | Within ± 20% of the initial value.         |          |
|                                  | Dissipation Factor                                                                                                     | Not more than 200% of the specified value. |          |
|                                  | Leakage Current(MAX)                                                                                                   | Not more than the specified value.         |          |
| Low Temperature Stability        | Rated Voltage(V)                                                                                                       | 160-250                                    | 400-450  |
|                                  | Impedance Ratio < Z (-25℃)/Z(20℃) > 120Hz                                                                              | 3                                          | 6        |

◆ MULTIPLIER FOR RIPPLE CURRENT

|                       |      |      |      |      |      |
|-----------------------|------|------|------|------|------|
| Frequency Coefficient |      |      |      |      |      |
| Frequency             | 50   | 120  | 1K   | 10K  | 100K |
| Coefficient           | 0.50 | 0.60 | 0.70 | 0.80 | 1.00 |

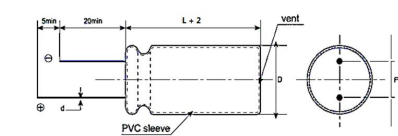
◆ FEATURES

Load Life:125℃ 5000 hours.  
Excellent endurance of high ripple current and high temperature, low ESR,high stability.  
Used for LED and LED Driver.

◆ STANDARD SIZE(Rated ripple current: 125℃ 100KHz)

| Rated Voltage (V)<br>Capacitance (μF) | 160             |                                 | 200             |                                 | 250             |                                 | 400             |                                 | 450             |                                 |
|---------------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|-----------------|---------------------------------|
|                                       | Size(mm)<br>D×L | Rated ripple current<br>(mAmps) | Size(mm)<br>D×L | Rated ripple current<br>(mAmps) | Size(mm)<br>D×L | Rated ripple current<br>(mAmps) | Size(mm)<br>D×L | Rated ripple current<br>(mAmps) | Size(mm)<br>D×L | Rated ripple current<br>(mAmps) |
| 1                                     |                 |                                 |                 |                                 |                 |                                 | 8×12            | 65                              | 8×12            | 65                              |
| 1.2                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 70                              | 8×12            | 70                              |
| 1.5                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 70                              | 8×12            | 75                              |
| 1.8                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 75                              | 8×12            | 80                              |
| 2.2                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 78                              | 8×16            | 90                              |
| 2.7                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 80                              | 8×16            | 95                              |
| 3.3                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 95                              | 8×16            | 100                             |
| 3.9                                   |                 |                                 |                 |                                 |                 |                                 | 8×12            | 110                             | 8×16            | 112                             |
| 4.7                                   | 8×12            | 92                              | 8×12            | 110                             | 8×12            | 115                             | 8×16            | 100                             | 10×16           | 118                             |
| 5.6                                   | 8×12            | 87                              | 8×12            | 113                             | 8×14            | 130                             | 10×12           | 120                             | 10×16           | 146                             |
| 6.8                                   | 8×12            | 110                             | 8×14            | 115                             | 8×12            | 150                             | 10×12           | 160                             | 10×20           | 180                             |
| 8.2                                   | 8×12            | 120                             | 8×16            | 130                             | 8×16            | 170                             | 10×16           | 170                             | 10×20           | 195                             |
| 10                                    | 8×16            | 250                             | 8×14            | 150                             | 8×16            | 175                             | 10×16           | 250                             | 10×20           | 260                             |
| 15                                    | 8×16            | 265                             | 8×16            | 228                             | 8×16            | 180                             | 10×20           | 300                             | 10×20           | 260                             |
| 22                                    | 10×16           | 280                             | 10×16           | 230                             | 8×20            | 200                             | 10×20           | 350                             | 12×20           | 295                             |
| 33                                    | 10×16           | 420                             | 10×16           | 290                             | 10×16           | 250                             | 12×20           | 360                             | 12.5×20         | 295                             |
| 47                                    | 10×16           | 420                             | 10×20           | 437                             | 10×16           | 280                             | 12.5×25         | 480                             | 12.5×25         | 410                             |
| 68                                    | 10×20           | 520                             | 10×20           | 450                             | 10×20           | 350                             | 16×20           | 510                             | 16×20           | 425                             |
| 82                                    | 12×20           | 550                             | 12×20           | 520                             | 12×20           | 480                             | 16×20           | 530                             | 16×25           | 550                             |
| 100                                   | 12×20           | 575                             | 12×20           | 520                             | 12×20           | 480                             | 16×20           | 610                             | 16×25           | 550                             |
| 100                                   | 12.5×25         | 580                             | 12.5×25         | 670                             | 12×20           | 540                             | 16×30           | 645                             | 16×30           | 630                             |
| 100                                   | 12.5×25         | 690                             | 12.5×25         | 700                             | 12.5×25         | 600                             | 18×20           | 730                             | 18×20           | 730                             |
| 100                                   | 16×25           | 800                             | 16×25           | 750                             | 16×25           | 785                             | 18×25           | 950                             | 18×30           | 990                             |
| 100                                   | 16×25           | 830                             | 16×25           | 770                             | 16×25           | 910                             | 18×40           | 980                             | 18×40           | 990                             |
| 100                                   | 16×25           | 900                             | 16×25           | 910                             | 16×30           | 980                             | 18×40           | 1020                            | 18×40           | 1080                            |

◆ DIMENSIONS



|       |     |     |     |     |    |    |     |    |     |
|-------|-----|-----|-----|-----|----|----|-----|----|-----|
| D±0.5 | 5   | 6.3 | 8   | 10  | 12 | 13 | 16  | 18 | 22  |
| F±0.6 | 2   | 2.6 | 3   | 5   |    |    | 7.5 |    | 10  |
| d±0.1 | 0.5 | 0.5 | 0.5 | 0.6 |    |    | 0.8 |    | 0.8 |