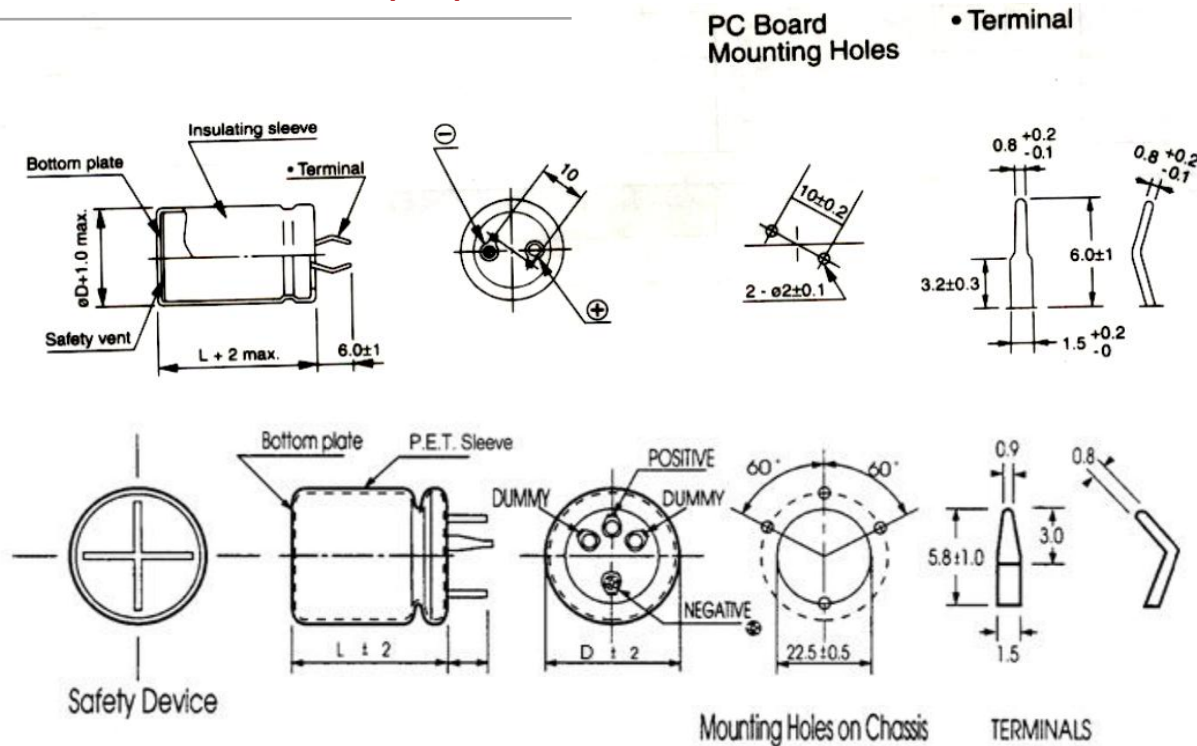


## FEATURES

- SNAP-IN TERMINAL TYPE
- WIDE TEMPERATURE RANGE SERIES
- Low, medium and high voltage, wide temperature range 105°C, Use in big screen color-TV,
- frequency conversion air conditioner audio circuits, etc.

## DRAWING and DIMENSIONS (mm) 2 Pins and 4 Pins



Multiplier for ripple current  
Frequency Coefficient

| Frequency (Hz) | 50 (60) | 120 | 400 | 1K   | 10K  | 50K~100K |
|----------------|---------|-----|-----|------|------|----------|
| 10<CAP≤100     | 0.8     | 1   | 1.2 | 1.36 | 1.48 | 1.53     |
| 100<CAP≤1000   | 0.8     | 1   | 1.1 | 1.25 | 1.35 | 1.38     |
| 1000<CAP       | 0.8     | 1   | 1.1 | 1.17 | 1.25 | 1.28     |

Temperature Coefficient

| Temperature (°C) | 105 | 85  | ≤65 |
|------------------|-----|-----|-----|
| Coefficient      | 1.0 | 1.7 | 2.1 |

## PICTURE



## SPECIFICATIONS

| No | Item                                                                                | Performance                                                                                                                                           |      |                                  |      |         |               |      |      |      |         |      |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|------|---------|---------------|------|------|------|---------|------|
| 1  | Operating Temperature Range                                                         | -40℃ to +105℃                                                                                                                                         |      |                                  |      |         | -25℃ to +105℃ |      |      |      |         |      |
| 2  | Rated Working Voltage Range                                                         | 10~100V.DC                                                                                                                                            |      |                                  |      |         | 160~450V.DC   |      |      |      |         |      |
| 3  | Capacitance Tolerance                                                               | 330 - 68000μF                                                                                                                                         |      |                                  |      |         | 33-2200μF     |      |      |      |         |      |
| 4  | Capacitance Tolerance                                                               | ±20%(at+20 <sup>0</sup> C,120Hz)                                                                                                                      |      |                                  |      |         |               |      |      |      |         |      |
| 5  | Leakage Current                                                                     | I≤0.03CV (μA) +3mA (whichever is greater) after five minutes                                                                                          |      |                                  |      |         |               |      |      |      |         |      |
| 6  | Dissipation Factor(tanδ)<br>( 120Hz\+20℃ )                                          | Working Voltage (V)                                                                                                                                   | 10   | 16                               | 25   | 35      | 50            | 63   | 80   | 100  | 160~400 | 450  |
|    |                                                                                     | tanδ max.                                                                                                                                             | 0.55 | 0.50                             | 0.45 | 0.40    | 0.35          | 0.30 | 0.25 | 0.20 | 0.15    | 0.25 |
| 7  | ( at 120 Hz )<br>Characteristics at low temperature<br>( Impedance ratio at 120Hz ) | Working Voltage (V)                                                                                                                                   |      | 10~250                           |      | 350~400 |               | 450  |      |      |         |      |
|    |                                                                                     | Z-25℃/+20℃                                                                                                                                            |      | 3                                |      | 4       |               | 12   |      |      |         |      |
|    |                                                                                     | Z-40/℃+20℃                                                                                                                                            |      | 12                               |      | -       |               | -    |      |      |         |      |
| 8  | High Temperature Loading                                                            | After 2000hrs. application of DC rated working voltage at +105℃.<br>The capacitor shall meet the following limits:<br>Post test requirements at + 20℃ |      |                                  |      |         |               |      |      |      |         |      |
|    |                                                                                     | Leakage current                                                                                                                                       |      | ≤ the Initial specified value    |      |         |               |      |      |      |         |      |
|    |                                                                                     | Capacitance change                                                                                                                                    |      | ≤±20% of initial measured value  |      |         |               |      |      |      |         |      |
|    |                                                                                     | Dissipation Factor(tanδ)                                                                                                                              |      | ≤200% of initial specified value |      |         |               |      |      |      |         |      |
| 9  | Shelf Life                                                                          | After 1000hrs. Application of DC no rated working voltage at +105℃,The capacitor shall meet the following limits: Post test requirements at + 20℃     |      |                                  |      |         |               |      |      |      |         |      |
|    |                                                                                     | Leakage current                                                                                                                                       |      | ≤200% of initial specified value |      |         |               |      |      |      |         |      |
|    |                                                                                     | Capacitance change                                                                                                                                    |      | ≤±20% of initial measured value  |      |         |               |      |      |      |         |      |
|    |                                                                                     | Dissipation Factor(tanδ)                                                                                                                              |      | ≤200% of initial specified value |      |         |               |      |      |      |         |      |

| W.V. (SV)<br>μF ØD | 400 (450) |      |       |      |       |      |       |      | 450 (500) |      |       |      |       |      |       |      |
|--------------------|-----------|------|-------|------|-------|------|-------|------|-----------|------|-------|------|-------|------|-------|------|
|                    | 22        |      | 25    |      | 30    |      | 35    |      | 22        |      | 25    |      | 30    |      | 35    |      |
|                    | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 33                 | 22×26     | 0.39 |       |      |       |      |       |      | 22×26     | 0.24 |       |      |       |      |       |      |
| 47                 | 22×26     | 0.56 | 25×26 | 0.56 |       |      |       |      | 22×31     | 0.35 | 25×26 | 0.35 |       |      |       |      |
| 56                 | 22×31     | 0.68 | 25×26 | 0.68 |       |      |       |      | 22×31     | 0.41 | 25×26 | 0.41 |       |      |       |      |
| 68                 | 22×31     | 0.72 | 25×26 | 0.72 | 30×26 | 0.72 |       |      | 22×36     | 0.55 | 25×31 | 0.55 | 30×26 | 0.55 |       |      |
| 82                 | 22×36     | 0.82 | 25×31 | 0.82 | 30×26 | 0.82 |       |      | 22×36     | 0.64 | 25×31 | 0.64 | 30×26 | 0.64 |       |      |
| 100                | 22×36     | 0.82 | 25×31 | 0.82 | 30×26 | 0.82 |       |      | 22×41     | 0.74 | 25×31 | 0.74 | 30×31 | 0.74 |       |      |
| 120                | 22×36     | 0.90 | 25×31 | 0.90 | 30×26 | 0.90 |       |      | 22×46     | 0.82 | 25×36 | 0.82 | 30×31 | 0.82 |       |      |
| 150                | 22×41     | 0.98 | 25×36 | 0.98 | 30×31 | 0.98 | 35×27 | 0.98 | 22×51     | 0.96 | 25×41 | 0.96 | 30×36 | 0.96 | 35×27 | 0.96 |
| 180                | 22×46     | 1.14 | 25×41 | 1.14 | 30×36 | 1.14 | 35×32 | 1.14 |           |      | 25×46 | 1.14 | 30×41 | 1.14 | 35×32 | 1.14 |
| 220                |           |      | 25×46 | 1.21 | 30×41 | 1.21 | 35×32 | 1.21 |           |      |       |      | 30×46 | 1.24 | 35×37 | 1.24 |
| 270                |           |      |       |      | 30×46 | 1.40 | 35×37 | 1.40 |           |      |       |      | 30×51 | 1.48 | 35×42 | 1.48 |
| 330                |           |      |       |      | 30×51 | 1.57 | 35×42 | 1.57 |           |      |       |      |       |      | 35×47 | 1.64 |
| 390                |           |      |       |      |       |      | 35×47 | 1.74 |           |      |       |      |       |      | 35×52 | 1.86 |
| 470                |           |      |       |      |       |      | 35×52 | 1.98 |           |      |       |      |       |      | 35×52 | 1.86 |
| 560                |           |      |       |      |       |      | 35×52 | 2.23 |           |      |       |      |       |      | 35×52 | 2.11 |



**DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT**

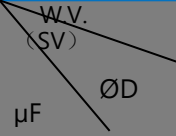
| W.V (SV)<br>ØD<br>µF | 10 (13) |      |       |      |       |      |       |      | 16 (20) |      |       |      |       |      |       |      |
|----------------------|---------|------|-------|------|-------|------|-------|------|---------|------|-------|------|-------|------|-------|------|
|                      | 22      |      | 25    |      | 30    |      | 35    |      | 22      |      | 25    |      | 30    |      | 35    |      |
|                      | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 3300                 |         |      |       |      |       |      |       |      | 22×26   | 1.17 |       |      |       |      |       |      |
| 4700                 | 22×26   | 1.24 |       |      |       |      |       |      | 22×31   | 1.53 | 25×26 | 1.53 |       |      |       |      |
| 6800                 | 22×26   | 1.56 | 25×26 | 1.56 |       |      |       |      | 22×31   | 2.02 | 25×26 | 2.02 | 30×26 | 2.02 |       |      |
| 8200                 | 22×26   | 2.04 | 25×26 | 2.04 |       |      |       |      | 22×31   | 2.20 |       |      |       |      |       |      |
| 10000                | 22×31   | 2.20 | 25×26 | 2.20 | 30×26 | 2.20 |       |      | 22×36   | 2.79 | 25×31 | 2.79 | 30×26 | 2.79 |       |      |
| 12000                | 22×36   | 2.34 | 25×26 | 2.34 |       |      |       |      | 22×36   | 3.06 | 25×31 | 3.06 | 30×26 | 3.06 |       |      |
| 15000                | 22×36   | 2.76 | 25×31 | 2.76 | 30×26 | 2.76 |       |      | 22×51   | 3.24 | 25×41 | 3.24 | 30×36 | 3.24 | 35×32 | 3.24 |
| 18000                | 22×36   | 2.96 | 25×31 | 2.96 |       |      |       |      | 22×51   | 3.51 | 25×46 | 3.51 | 30×36 | 3.51 | 35×32 | 3.51 |
| 22000                | 22×41   | 3.12 | 25×36 | 3.12 | 30×31 | 3.12 | 35×27 | 3.12 |         |      | 25×51 | 4.08 | 30×41 | 4.08 | 35×32 | 4.08 |
| 27000                | 22×46   | 3.48 | 25×36 | 3.48 | 30×31 | 3.48 | 35×27 | 3.48 |         |      | 25×51 | 4.30 | 30×46 | 4.30 | 35×37 | 4.30 |
| 33000                |         |      | 25×46 | 3.72 | 30×36 | 3.72 | 35×32 | 3.72 |         |      |       |      | 30×46 | 4.83 | 35×37 | 4.83 |
| 39000                |         |      | 25×51 | 4.10 | 30×41 | 4.10 | 35×32 | 4.10 |         |      |       |      | 30×51 | 5.78 | 35×42 | 5.78 |
| 47000                |         |      |       |      | 30×46 | 4.38 | 35×37 | 4.38 |         |      |       |      |       |      | 35×47 | 6.32 |
| 56000                |         |      |       |      | 30×51 | 4.64 | 35×42 | 4.64 |         |      |       |      |       |      | 35×52 | 7.05 |
| 68000                |         |      |       |      |       |      | 35×52 | 4.80 |         |      |       |      |       |      |       |      |

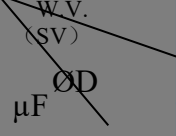
| W.V. (SV)<br>ØD<br>µF | 25 (32) |      |       |      |       |      |       |      | 35 (44) |      |       |      |       |      |       |      |
|-----------------------|---------|------|-------|------|-------|------|-------|------|---------|------|-------|------|-------|------|-------|------|
|                       | 22      |      | 25    |      | 30    |      | 35    |      | 22      |      | 25    |      | 30    |      | 35    |      |
|                       | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 1500                  |         |      |       |      |       |      |       |      | 22×26   | 1.26 |       |      |       |      |       |      |
| 2200                  | 22×26   | 1.03 |       |      |       |      |       |      | 22×31   | 1.35 | 25×26 | 1.35 |       |      |       |      |
| 3300                  | 22×26   | 1.48 | 25×26 | 1.48 |       |      |       |      | 22×31   | 1.84 | 25×26 | 1.84 | 30×26 | 1.84 |       |      |
| 3900                  |         |      |       |      |       |      |       |      | 22×31   | 2.23 |       |      |       |      |       |      |
| 4700                  | 22×31   | 1.92 | 25×26 | 1.92 | 30×26 | 1.92 |       |      | 22×36   | 2.42 | 25×31 | 2.42 | 30×26 | 2.42 |       |      |
| 5600                  | 22×31   | 2.25 |       |      |       |      |       |      | 22×41   | 2.89 | 25×31 | 2.89 | 30×26 | 2.89 |       |      |
| 6800                  | 22×31   | 2.60 | 25×26 | 2.60 | 30×26 | 2.60 |       |      | 22×51   | 3.24 | 25×36 | 3.24 | 30×31 | 3.24 | 35×27 | 3.24 |
| 8200                  | 22×36   | 3.14 | 25×31 | 3.14 | 30×26 | 3.14 |       |      |         |      | 25×41 | 3.57 | 30×31 | 3.57 | 35×27 | 3.57 |
| 10000                 | 22×41   | 3.50 | 25×36 | 3.50 | 30×31 | 3.50 | 35×27 | 3.50 |         |      | 25×46 | 3.96 | 30×36 | 3.96 | 35×32 | 3.96 |
| 12000                 | 22×46   | 4.02 | 25×41 | 4.02 | 30×31 | 4.02 | 35×27 | 4.02 |         |      | 25×51 | 4.21 | 30×41 | 4.21 | 35×32 | 4.21 |
| 15000                 |         |      | 25×46 | 4.58 | 30×36 | 4.58 | 35×32 | 4.58 |         |      |       |      | 30×46 | 4.69 | 35×37 | 4.69 |
| 18000                 |         |      | 25×51 | 4.82 | 30×41 | 4.82 | 35×37 | 4.82 |         |      |       |      |       |      | 35×42 | 5.07 |
| 22000                 |         |      |       |      | 30×46 | 5.12 | 35×37 | 5.12 |         |      |       |      |       |      | 35×52 | 5.50 |
| 27000                 |         |      |       |      |       |      | 35×47 | 5.47 |         |      |       |      |       |      |       |      |
| 33000                 |         |      |       |      |       |      | 35×52 | 6.09 |         |      |       |      |       |      |       |      |

Case Size: ØD×L (mm; Ripple current (mA rms) at 105°C, 100KHz Impedance[Ω] (25°C\100KHz)



## DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

|  | 50 (63) |      |       |      |       |      |       |      | 63 (79) |      |       |      |       |      |       |      |
|-----------------------------------------------------------------------------------|---------|------|-------|------|-------|------|-------|------|---------|------|-------|------|-------|------|-------|------|
|                                                                                   | 22      |      | 25    |      | 30    |      | 35    |      | 22      |      | 25    |      | 30    |      | 35    |      |
|                                                                                   | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE    | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 680                                                                               |         |      |       |      |       |      |       |      | 22×26   | 0.70 |       |      |       |      |       |      |
| 1000                                                                              | 22×26   | 0.84 |       |      |       |      |       |      | 22×26   | 0.85 | 25×26 | 0.85 |       |      |       |      |
| 1200                                                                              |         |      |       |      |       |      |       |      | 22×26   | 0.98 |       |      |       |      |       |      |
| 1500                                                                              | 22×31   | 1.10 | 25×26 | 1.10 |       |      |       |      | 22×31   | 1.10 | 25×26 | 1.10 | 30×26 | 1.10 |       |      |
| 1800                                                                              | 22×31   | 1.54 |       |      |       |      |       |      | 22×31   | 1.40 | 25×26 | 1.40 |       |      |       |      |
| 2200                                                                              | 22×31   | 1.65 | 25×26 | 1.65 | 30×26 | 1.65 |       |      | 22×36   | 1.65 | 25×31 | 1.65 | 30×26 | 1.65 |       |      |
| 2700                                                                              | 22×36   | 1.94 | 25×31 | 1.94 |       | 1.94 |       |      | 22×41   | 2.07 | 25×36 | 2.07 | 30×26 | 2.07 |       |      |
| 3300                                                                              | 22×36   | 2.24 | 25×31 | 2.24 | 30×26 | 2.24 |       |      | 22×51   | 2.48 | 25×41 | 2.48 | 30×31 | 2.48 | 35×27 | 2.48 |
| 3900                                                                              | 22×41   | 2.54 | 25×36 | 2.54 | 30×31 | 2.54 |       |      |         |      | 25×46 | 3.05 | 30×36 | 3.05 | 35×32 | 3.05 |
| 4700                                                                              | 22×46   | 2.95 | 25×41 | 2.95 | 30×31 | 2.95 | 35×27 | 2.95 |         |      | 25×51 | 3.43 | 30×41 | 3.43 | 35×32 | 3.43 |
| 5600                                                                              | 22×51   | 3.10 | 25×46 | 3.10 | 30×41 | 3.10 | 35×32 | 3.10 |         |      |       |      | 30×46 | 3.86 | 35×37 | 3.86 |
| 6800                                                                              |         |      | 25×51 | 3.26 | 30×41 | 3.26 | 35×32 | 3.26 |         |      |       |      | 30×51 | 4.64 | 35×42 | 4.64 |
| 8200                                                                              |         |      |       |      | 30×46 | 2.58 | 35×37 | 2.58 |         |      |       |      |       |      | 35×47 | 5.05 |
| 10000                                                                             |         |      |       |      | 30×51 | 4.11 | 35×42 | 4.11 |         |      |       |      |       |      | 35×52 | 5.75 |
| 12000                                                                             |         |      |       |      |       |      | 35×47 | 4.62 |         |      |       |      |       |      |       |      |
| 15000                                                                             |         |      |       |      |       |      | 35×52 | 5.05 |         |      |       |      |       |      |       |      |

|  | 80 (100) |      |       |      |       |      |       |      | 100 (125) |      |       |      |       |      |       |      |
|-------------------------------------------------------------------------------------|----------|------|-------|------|-------|------|-------|------|-----------|------|-------|------|-------|------|-------|------|
|                                                                                     | 22       |      | 25    |      | 30    |      | 35    |      | 22        |      | 25    |      | 30    |      | 35    |      |
|                                                                                     | SIZE     | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 330                                                                                 |          |      |       |      |       |      |       |      | 22×26     | 0.54 |       |      |       |      |       |      |
| 470                                                                                 | 22×26    | 0.63 |       |      |       |      |       |      | 22×31     | 0.79 | 25×26 | 0.79 |       |      |       |      |
| 560                                                                                 | 22×31    | 0.70 |       |      |       |      |       |      | 22×31     | 0.90 | 25×26 | 0.90 |       |      |       |      |
| 680                                                                                 | 22×31    | 0.84 | 25×26 | 0.84 |       |      |       |      | 22×31     | 1.02 | 25×26 | 1.02 | 30×26 | 1.02 |       |      |
| 820                                                                                 | 22×31    | 1.02 | 25×31 | 1.02 |       |      |       |      | 22×31     | 1.26 | 25×26 | 1.26 | 30×26 | 1.26 |       |      |
| 1000                                                                                | 22×36    | 1.16 | 25×31 | 1.16 | 30×26 | 1.16 |       |      | 22×36     | 1.38 | 25×31 | 1.38 | 30×26 | 1.38 |       |      |
| 1200                                                                                | 22×36    | 1.46 | 25×31 | 1.46 | 30×31 | 1.46 |       |      | 22×41     | 1.65 | 25×36 | 1.65 | 30×31 | 1.65 |       |      |
| 1500                                                                                | 22×41    | 1.74 | 25×36 | 1.74 | 30×31 | 1.74 |       |      | 22×46     | 1.83 | 25×41 | 1.83 | 30×31 | 1.83 | 35×27 | 1.83 |
| 1800                                                                                | 22×46    | 1.95 | 25×41 | 1.95 | 30×31 | 1.95 | 35×27 | 1.95 |           |      | 25×41 | 2.52 | 30×36 | 2.52 | 35×32 | 2.52 |
| 2200                                                                                | 22×51    | 2.25 | 25×46 | 2.25 | 30×36 | 2.25 | 35×32 | 2.25 |           |      | 25×51 | 3.03 | 30×41 | 3.03 | 35×32 | 3.03 |
| 2700                                                                                |          |      | 25×51 | 2.68 | 30×41 | 2.68 | 35×37 | 2.68 |           |      |       |      | 30×46 | 4.10 | 35×37 | 4.10 |
| 3300                                                                                |          |      | 25×56 | 3.30 | 30×51 | 3.30 | 35×42 | 3.30 |           |      |       |      | 30×56 | 4.59 | 35×47 | 4.59 |
| 3900                                                                                |          |      |       |      | 30×51 | 3.85 | 35×42 | 3.85 |           |      |       |      |       |      | 35×47 | 4.98 |
| 4700                                                                                |          |      |       |      | 30×51 | 4.29 | 35×42 | 4.29 |           |      |       |      |       |      | 35×52 | 5.43 |
| 5600                                                                                |          |      |       |      |       |      | 35×47 | 5.10 |           |      |       |      |       |      |       |      |
| 6800                                                                                |          |      |       |      |       |      | 35×52 | 5.66 |           |      |       |      |       |      |       |      |

Case Size: ØD×L (mm; Ripple current (mA rms) at 105°C, 100KHz Impedance[Ω] (25°C\100KHz)

**Note: Other capacitance is available on request. WEET is capable of doing custom service for you.**





## DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

| W.V. (SV)<br>μF<br>ØD | 160 (200) |      |       |      |       |      |       |      | 200 (250) |      |       |      |       |      |       |      |
|-----------------------|-----------|------|-------|------|-------|------|-------|------|-----------|------|-------|------|-------|------|-------|------|
|                       | 22        |      | 25    |      | 30    |      | 35    |      | 22        |      | 25    |      | 30    |      | 35    |      |
|                       | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 100                   |           |      |       |      |       |      |       |      | 22×26     | 0.38 |       |      |       |      |       |      |
| 150                   | 22×26     | 0.37 |       |      |       |      |       |      | 22×26     | 0.54 | 25×26 | 0.54 |       |      |       |      |
| 220                   | 22×26     | 0.42 |       |      |       |      |       |      | 22×31     | 0.92 | 25×26 | 0.92 | 30×26 |      |       |      |
| 270                   | 22×26     | 0.74 |       |      |       |      |       |      | 22×31     | 1.03 | 25×26 | 1.03 | 30×26 | 1.03 |       |      |
| 330                   | 22×31     | 0.98 | 25×26 | 0.98 | 30×26 | 0.98 |       |      | 22×36     | 1.21 | 25×31 | 1.21 | 30×26 | 1.21 |       |      |
| 390                   | 22×36     | 1.10 | 25×31 | 1.10 | 30×26 | 1.10 |       |      | 22×41     | 1.39 | 25×36 | 1.39 | 30×31 | 1.39 |       |      |
| 470                   | 22×36     | 1.21 | 25×31 | 1.21 | 30×26 | 1.21 |       |      | 22×46     | 1.62 | 25×41 | 1.62 | 30×31 | 1.62 | 35×27 | 1.62 |
| 560                   | 22×41     | 1.40 | 25×36 | 1.40 | 30×31 | 1.40 | 35×27 | 1.40 | 22×51     | 1.85 | 25×41 | 1.85 | 30×36 | 1.85 | 35×27 | 1.85 |
| 680                   | 22×46     | 1.64 | 25×41 | 1.64 | 30×36 | 1.64 | 35×32 | 1.64 | 22×56     | 2.04 | 25×51 | 2.04 | 30×36 | 2.04 | 35×32 | 2.04 |
| 820                   |           |      | 25×46 | 1.85 | 30×36 | 1.85 | 35×32 | 1.85 |           |      | 25×56 | 2.34 | 30×41 | 2.34 | 35×37 | 2.34 |
| 1000                  |           |      | 25×51 | 2.15 | 30×41 | 2.15 | 35×32 | 2.15 |           |      |       |      | 30×46 | 2.70 | 35×42 | 2.70 |
| 1200                  |           |      | 25×56 | 2.46 | 30×46 | 2.46 | 35×37 | 2.46 |           |      |       |      | 30×51 | 3.00 | 35×42 | 3.00 |
| 1500                  |           |      |       |      | 30×51 | 2.80 | 35×42 | 2.80 |           |      |       |      |       |      | 35×52 | 3.43 |
| 1800                  |           |      |       |      | 30×51 | 3.13 | 35×42 | 3.13 |           |      |       |      |       |      | 35×52 | 4.01 |
| 2200                  |           |      |       |      |       |      | 35×56 | 3.39 |           |      |       |      |       |      |       |      |

| W.V. (SV)<br>μF<br>ØD | 220 (270) |      |       |      |       |      |       |      | 250 (300) |      |       |      |       |      |       |      |
|-----------------------|-----------|------|-------|------|-------|------|-------|------|-----------|------|-------|------|-------|------|-------|------|
|                       | 22        |      | 25    |      | 30    |      | 35    |      | 22        |      | 25    |      | 30    |      | 35    |      |
|                       | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE      | R.C. | SIZE  | R.C. | SIZE  | R.C. | SIZE  | R.C. |
| 68                    |           |      |       |      |       |      |       |      | 22×26     | 0.27 |       |      |       |      |       |      |
| 100                   |           |      |       |      |       |      |       |      | 22×31     | 0.44 | 25×26 | 0.44 |       |      |       |      |
| 150                   | 22×26     | 0.50 | 25×26 | 0.50 |       |      |       |      | 22×31     | 0.60 | 25×26 | 0.60 | 30×26 | 0.60 |       |      |
| 180                   | 22×26     | 0.60 | 25×26 | 0.60 |       |      |       |      | 22×31     | 0.69 | 25×26 | 0.69 | 30×26 | 0.69 |       |      |
| 220                   | 22×31     | 0.85 | 25×26 | 0.85 | 30×26 | 0.85 |       |      | 22×36     | 1.00 | 25×31 | 1.00 | 30×26 | 1.00 |       |      |
| 270                   | 22×31     | 1.05 | 25×26 | 1.05 | 30×26 | 1.05 |       |      | 22×41     | 1.16 | 25×36 | 1.16 | 30×31 | 1.16 |       |      |
| 330                   | 22×36     | 1.15 | 25×31 | 1.15 | 30×26 | 1.15 |       |      | 22×46     | 1.28 | 25×36 | 1.28 | 30×31 | 1.28 | 35×27 | 1.28 |
| 390                   | 22×41     | 1.25 | 25×36 | 1.25 | 30×31 | 1.25 |       |      | 22×46     | 1.48 | 25×36 | 1.48 | 30×31 | 1.48 | 35×27 | 1.48 |
| 470                   | 22×46     | 1.35 | 25×41 | 1.35 | 30×31 | 1.35 | 35×27 | 1.35 |           |      | 25×46 | 1.76 | 30×36 | 1.76 | 35×32 | 1.76 |
| 560                   | 22×51     | 1.60 | 25×46 | 1.60 | 30×36 | 1.60 | 35×27 | 1.60 |           |      | 25×51 | 1.93 | 30×41 | 1.93 | 35×32 | 1.93 |
| 680                   | 22×56     | 1.75 | 25×51 | 1.75 | 30×41 | 1.75 | 35×27 | 1.75 |           |      |       |      | 30×46 | 2.22 | 35×37 | 2.22 |
| 820                   |           |      | 25×56 | 2.00 | 30×46 | 2.00 | 35×37 | 2.00 |           |      |       |      | 30×51 | 2.48 | 35×42 | 2.48 |
| 1000                  |           |      |       |      | 30×51 | 2.40 | 35×42 | 2.30 |           |      |       |      |       |      | 35×47 | 2.80 |
| 1200                  |           |      |       |      |       |      | 35×47 | 2.30 |           |      |       |      |       |      | 35×52 | 3.17 |
| 1500                  |           |      |       |      |       |      | 35×52 | 2.40 |           |      |       |      |       |      |       |      |
| 1800                  |           |      |       |      |       |      | 35×56 | 2.50 |           |      |       |      |       |      |       |      |

Case Size: ØD×L (mm; Ripple current (mA rms) at 105°C, 100KHz Impedance[Ω] (25°C\100KHz)

**Note: Other capacitance is available on request. WEET is capable of doing custom service for you.**



**WEE Technology Company Limited**  
FLAT/RM 705, 7/F,  
FA YUEN COMM BLDG NO.75,  
FA YUEN STREET, MONG KOK, KL, HK  
[www.weetcap.com](http://www.weetcap.com)  
[info@weetcap.com](mailto:info@weetcap.com)

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## PN Structure For Example:

**1000uF 400V ±20% 35x55mm P:10mm Bulk RoHS**  
**PN: WGDHP2G102M03500550100BR**

| <b>WGD-HP</b> | <b>1E</b>     | <b>221</b>  | <b>M</b>              | <b>00800120</b> | <b>035</b> | <b>B</b> | <b>R</b> |
|---------------|---------------|-------------|-----------------------|-----------------|------------|----------|----------|
| Series        | Rated Voltage | Capacitance | Capacitance Tolerance | Dimension       | Pitch      | Packing  | Pb       |
|               | 1.            | 2.          | 3.                    | 4.              | 5.         | 6.       | 7.       |

### 1. Rated Voltage

| Code    | 0J   | 1A   | 1C   | 1D   | 1E   | 1V   | 1G   | 1H   | 1J   | 1K   | 2A   | 2B   |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| Voltage | 6.3V | 10V  | 16V  | 20V  | 25V  | 35V  | 40V  | 50V  | 63V  | 80V  | 100V | 120V |
| Code    | 2C   | 2K   | 2D   | 2E   | 2F   | 2U   | 2V   | 2G   | 2X   | 2W   | 2H   | 2Y   |
| Voltage | 160V | 180V | 200V | 250V | 315V | 330V | 350V | 400V | 420V | 450V | 500V | 550V |

### 2. Capacitance

| Code             | 0R1 | R22  | R33  | R47  | 010 | 2R2 | 3R3 | 4R7 | 100 | 220 | 330 | 470 | 101 |
|------------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Capacitance (μF) | 0.1 | 0.22 | 0.33 | 0.47 | 1   | 2.2 | 3.3 | 4.7 | 10  | 22  | 33  | 47  | 100 |

### 3. Capacitance Tolerance

| Code      | K    | L    | M    |
|-----------|------|------|------|
| Tolerance | ±10% | ±15% | ±20% |

### 4. Dimension

| Code           | 00500110 | 00630120 | 01300200 | 03500450 |
|----------------|----------|----------|----------|----------|
| Dimension (mm) | 5x11     | 6.3x12   | 13x20    | 35x45    |

### 5. Pitch

| Code       | 020 | 075 | 100 | 127  |
|------------|-----|-----|-----|------|
| Pitch (mm) | 2.0 | 7.5 | 10  | 12.7 |

### 6. Packing

| Code    | B    | A    |
|---------|------|------|
| Packing | Bulk | Ammo |

### 7. Pb

| Code | L      | R    |
|------|--------|------|
| Pb   | Leaded | RoHS |

