

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- For SRS AirBag application
- Special tolerance at rated capacitance and high capacitance.
- Guaranteed 5000 hours at 105°C.
- Environmental : GREEN CAP™ , RoHS compliance.



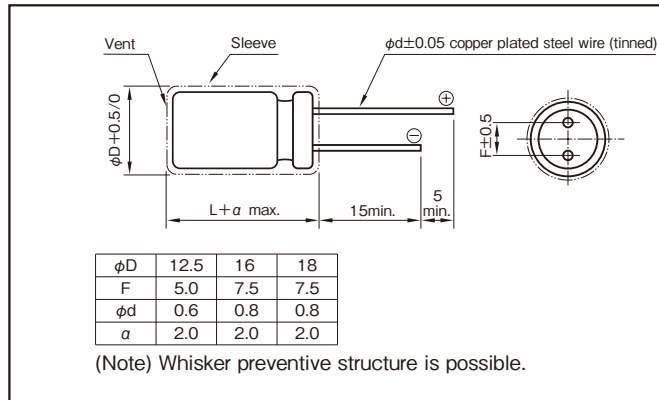
Marking color : White print on a black sleeve

Specifications

| Item | Performance | | | | | | | | |
|---|--|-------------------|------------|-----------------|-------------------------------------|----------------------------------|------------------------------|-----------------------|---|
| Category temperature range (°C) | -55 to +105 | | | | | | | | |
| Tolerance at rated capacitance (%) | 0 to +30 (20°C,120Hz) | | | | | | | | |
| Leakage current (µA) (max.) | 0.01CV (after 2 minutes) C : Rated capacitance (µF) , V : Rated voltage (V) (20°C) | | | | | | | | |
| Tangent of loss angle (tanδ) | <table border="1"> <tr> <td>Rated voltage (V)</td> <td>25</td> <td>35</td> </tr> <tr> <td>tanδ (max.)</td> <td>0.20</td> <td>0.16</td> </tr> </table> <p>0.02 is added to every 1000µF increase over 1000µF (20°C,120Hz)</p> | Rated voltage (V) | 25 | 35 | tanδ (max.) | 0.20 | 0.16 | | |
| Rated voltage (V) | 25 | 35 | | | | | | | |
| tanδ (max.) | 0.20 | 0.16 | | | | | | | |
| Characteristics at high and low temperature | <table border="1"> <tr> <td>Rated voltage (V)</td> <td>25</td> <td>35</td> </tr> <tr> <td>Impedance ratio (max.)</td> <td>Z-55°C/Z+20°C</td> <td>3</td> </tr> </table> <p>(120Hz)</p> | Rated voltage (V) | 25 | 35 | Impedance ratio (max.) | Z-55°C/Z+20°C | 3 | | |
| Rated voltage (V) | 25 | 35 | | | | | | | |
| Impedance ratio (max.) | Z-55°C/Z+20°C | 3 | | | | | | | |
| Endurance (105°C) | <table border="1"> <tr> <td>Test time</td> <td>5000 hours</td> </tr> <tr> <td>Leakage current</td> <td>The initial specified value or less</td> </tr> <tr> <td>Percentage of capacitance change</td> <td>Within ±30% of initial value</td> </tr> <tr> <td>Tangent of loss angle</td> <td>300% or less of the initial specified value</td> </tr> </table> | Test time | 5000 hours | Leakage current | The initial specified value or less | Percentage of capacitance change | Within ±30% of initial value | Tangent of loss angle | 300% or less of the initial specified value |
| Test time | 5000 hours | | | | | | | | |
| Leakage current | The initial specified value or less | | | | | | | | |
| Percentage of capacitance change | Within ±30% of initial value | | | | | | | | |
| Tangent of loss angle | 300% or less of the initial specified value | | | | | | | | |
| Shelf life (105°C) | Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1 | | | | | | | | |
| Applicable standards | JIS C5101 - 1,- 4 (IEC 60384 - 1,- 4) | | | | | | | | |

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

| Frequency (Hz) | 50 - 60 | 120 | 1k | 10k-100k |
|------------------------|---------|------|------|----------|
| Rated capacitance (µF) | | | | |
| 830 to 1100 | 0.70 | 0.75 | 0.90 | 1 |
| 1200 to 11000 | 0.80 | 0.85 | 0.95 | 1 |

Product code system : 25V4200µF
(*For automotive: powertrain, safety)

| RA* | RJE | 422 | A | 1T | G40 | 300 | T |
|---------------|-------------|------------------|---------------|--------------|-----------|-------------------------------|-----------------|
| Category code | Series code | capacitance code | Cap tol. code | Voltage code | Size code | Lead-forming and packing code | Additional code |

- If it is whisker preventive structure, should change "T" into "G".
 - For details, refer to the various "Product Code System" pages.
 - Lead-forming and packing code on this page are for lead long and standard packing products.
- For standard packing, please refer to the "PACKING" page.

Standard Ratings

| Case size φD×L (mm) | Item Size code | Rated voltage(V) | | | | | | | |
|------------------------|-------------------|------------------------|--------------|------|--------------|------------------------------|-------|------|------|
| | | Rated capacitance (µF) | 25 (1T) | | 35 (1G) | | | | |
| | | | ESR Ω (max.) | | ESR Ω (max.) | | | | |
| | | 20°C | -40°C | 20°C | -40°C | Rated ripple current (mArms) | | | |
| 12.5×15 | G15 | 1100 | 0.174 | 0.52 | 1210 | 830 | 0.174 | 0.52 | 1210 |
| 12.5×20 | G20 | 1800 | 0.107 | 0.27 | 1670 | 1300 | 0.107 | 0.27 | 1670 |
| 12.5×25 | G25 | 2400 | 0.084 | 0.21 | 1950 | 1600 | 0.084 | 0.21 | 1950 |
| 12.5×30 | G30 | 3200 | 0.070 | 0.18 | 2330 | 2200 | 0.070 | 0.18 | 2330 |
| 12.5×35 | G35 | 3700 | 0.062 | 0.16 | 2620 | 2500 | 0.062 | 0.16 | 2620 |
| 12.5×40 | G40 | 4200 | 0.048 | 0.12 | 3160 | 2900 | 0.048 | 0.12 | 3160 |
| 16×16 | J16 | 2100 | 0.121 | 0.36 | 1700 | 1500 | 0.121 | 0.36 | 1700 |
| 16×20 | J20 | 3100 | 0.082 | 0.21 | 2230 | 2100 | 0.082 | 0.21 | 2230 |
| 16×25 | J25 | 4300 | 0.062 | 0.16 | 2650 | 3000 | 0.062 | 0.16 | 2650 |
| 16×31.5 | J31 | 5800 | 0.051 | 0.13 | 3210 | 4000 | 0.051 | 0.13 | 3210 |
| 16×35.5 | J35 | 6800 | 0.045 | 0.11 | 3570 | 4600 | 0.045 | 0.11 | 3570 |
| 16×40 | J40 | 7800 | 0.042 | 0.11 | 3880 | 5300 | 0.042 | 0.11 | 3880 |
| 18×16 | K16 | 3000 | 0.107 | 0.32 | 2010 | 2100 | 0.107 | 0.32 | 2010 |
| 18×20 | K20 | 4300 | 0.079 | 0.20 | 2500 | 3000 | 0.079 | 0.20 | 2500 |
| 18×25 | K25 | 6000 | 0.056 | 0.14 | 3000 | 4200 | 0.056 | 0.14 | 3000 |
| 18×31.5 | K31 | 8000 | 0.045 | 0.11 | 3660 | 5600 | 0.045 | 0.11 | 3660 |
| 18×35.5 | K35 | 9300 | 0.042 | 0.11 | 3960 | 6500 | 0.042 | 0.11 | 3960 |
| 18×40 | K40 | 11000 | 0.040 | 0.10 | 4300 | 7400 | 0.040 | 0.10 | 4300 |

(Note) Rated ripple current : 105°C, 100kHz ; ESR : 100kHz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.