查询HCGF5A2E123Y供应商 捷多邦，专业PCB打样工厂，24小时加急出货

## HCGF5A Series

**Useful of 4,000 hours at 85°C (Warranty of 2,000 hours at 85°C)**

### Features

- Standard products that have been used for many years.



### Product Specifications

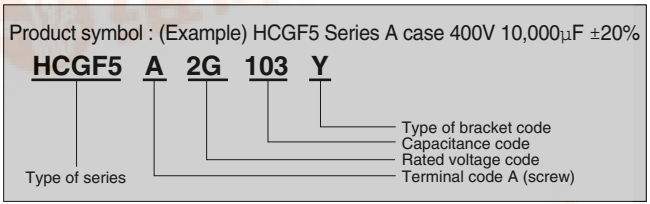
| Items | Specifications |
|---|---|
| Temperature range | –25°C ~ +85°C |
| Capacitance tolerance | ±20% (20°C, 120Hz) |
| Rated voltage | 160 ~ 450V.DC |
| Leakage current | 0.01CV (μA) or 5mA, whichever is smaller or less<br>[C = nominal capacitance (μF), V = rated voltage (V)] |
| Dissipation factor | Less than the value specified in the standard products table. (20°C,120Hz) |
| Permissible ripple current | As specified in the standard products table. (40°C,120Hz) |
| High-temperature load | After the rated voltage with specified ripple current is applied at 85°C for 2000 hours:<br>Capacitance tolerance: ±15% or less of the initial value<br>Dissipation factor: 175% or less of the specified initial value<br>Leakage current: Specified initial value or less |
| Others | JIS C 5101-4. |

### Ripple current correction coefficient

| Temperature (°C) | 40 | 60 | 70 | 85 | |
|---|---|---|---|---|---|
| Correction coefficient | 1.0 | 0.75 | 0.62 | 0.37 | |
| Frequency (Hz) | 50/60 | 120 | 300 | 1K | 10K |
| Correction coefficient | 0.7 | 1.0 | 1.1 | 1.3 | 1.4 |

Ripple current should be under 60Arms at M5 terminal in accordance with from the permissible current.

Product symbol : (Example) HCGF5 Series A case 400V 10,000μF ±20%




### Standard value and case size

| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 160V(2C) | 3300 | 36·121 | A12 | 0.25 | 14.0 | HCGF5A2C332□ |
| | 3900 | 51·75 | C8R | 0.25 | 14.4 | HCGF5A2C392Y |
| | 4700 | 51·75 | C8R | 0.25 | 15.8 | HCGF5A2C472Y |
| | 5600 | 51·96 | C10R | 0.25 | 19.0 | HCGF5A2C562Y |
| | 6800 | 51·96 | C10R | 0.25 | 21.0 | HCGF5A2C682Y |
| | 8200 | 51·115 | C12R | 0.25 | 24.7 | HCGF5A2C822Y |
| | 10000 | 64·96 | D10R | 0.25 | 28.0 | HCGF5A2C103Y |
| | 12000 | 64·96 | D10R | 0.25 | 30.6 | HCGF5A2C123Y |
| | 15000 | 64·130 | D13R | 0.25 | 38.6 | HCGF5A2C153Y |
| | 18000 | 64·130 | D13R | 0.25 | 42.2 | HCGF5A2C183Y |
| | 22000 | 77·130 | E13R | 0.25 | 49.4 | HCGF5A2C223Y |
| | 27000 | 77·130 | E13R | 0.25 | 54.7 | HCGF5A2C273Y |
| | 33000 | 90·131 | F13R | 0.25 | 64.2 | HCGF5A2C333Y |
| | 39000 | 90·157 | F16R | 0.25 | 75.3 | HCGF5A2C393Y |

### Attachment of legs

- See page 49 for shapes and dimensions.
- Product names in the Standard Units Rating Table correspond to the attachment legs for Type Y (Type I for ø36 only), but Type I attachment legs may be used (Shape Code = I).
- If attachment legs are not necessary, enter "N" for the attachment leg shape code.
- Attachment legs will be delivered separately.

| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 200V(2D) | 2200 | 36·100 | A10 | 0.25 | 10.6 | HCGF5A2D222□ |
| | 2700 | 36·121 | A12 | 0.25 | 12.7 | HCGF5A2D272□ |
| | 3300 | 51·75 | C8R | 0.25 | 13.3 | HCGF5A2D332Y |
| | 3900 | 51·75 | C8R | 0.25 | 14.4 | HCGF5A2D392Y |
| | 4700 | 51·96 | C10R | 0.25 | 17.4 | HCGF5A2D472Y |
| | 5600 | 51·115 | C12R | 0.25 | 20.4 | HCGF5A2D562Y |
| | 6800 | 51·130 | C13R | 0.25 | 23.7 | HCGF5A2D682Y |
| | 8200 | 64·96 | D10R | 0.25 | 25.4 | HCGF5A2D822Y |
| | 10000 | 64·96 | D10R | 0.25 | 28.0 | HCGF5A2D103Y |
| | 12000 | 77·96 | E10R | 0.25 | 32.6 | HCGF5A2D123Y |
| | 15000 | 77·96 | E10R | 0.25 | 39.0 | HCGF5A2D153Y |
| | 18000 | 77·130 | E13R | 0.25 | 44.6 | HCGF5A2D183Y |
| | 22000 | 77·155 | E16R | 0.25 | 53.0 | HCGF5A2D223Y |
| | 27000 | 90·131 | F13R | 0.25 | 58.2 | HCGF5A2D273Y |
| | 33000 | 90·157 | F16R | 0.25 | 69.0 | HCGF5A2D333Y |

| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 250V(2E) | 1500 | 36·100 | A10 | 0.25 | 8.7 | HCGF5A2E152□ |
| | 1800 | 36·100 | A10 | 0.25 | 9.5 | HCGF5A2E182□ |
| | 2200 | 51·75 | C8R | 0.25 | 10.8 | HCGF5A2E222Y |
| | 2700 | 51·75 | C8R | 0.25 | 12.0 | HCGF5A2E272Y |
| | 3300 | 51·96 | C10R | 0.25 | 14.6 | HCGF5A2E332Y |
| | 3900 | 51·115 | C12R | 0.25 | 17.0 | HCGF5A2E392Y |
| | 4700 | 64·96 | D10R | 0.25 | 19.2 | HCGF5A2E472Y |
| | 5600 | 64·96 | D10R | 0.25 | 21.0 | HCGF5A2E562Y |
| | 6800 | 64·115 | D12R | 0.25 | 24.7 | HCGF5A2E682Y |
| | 8200 | 64·115 | D12R | 0.25 | 27.1 | HCGF5A2E822Y |
| | 10000 | 64·130 | D13R | 0.25 | 31.5 | HCGF5A2E103Y |
| | 12000 | 77·115 | E12R | 0.25 | 34.8 | HCGF5A2E123Y |
| | 15000 | 77·130 | E13R | 0.25 | 40.8 | HCGF5A2E153Y |
| | 18000 | 77·155 | E16R | 0.25 | 47.8 | HCGF5A2E183Y |
| | 22000 | 90·157 | F16R | 0.25 | 56.5 | HCGF5A2E223Y |



找PDF 维库 pdf.dzsc.com

# SCREW TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 350V(2V) | 390 | 36×53 | A5 | 0.20 | 4.5 | HCGF5A2V391□ |
| | 470 | 36×83 | A8 | 0.20 | 5.8 | HCGF5A2V471□ |
| | 560 | 36×83 | A8 | 0.20 | 6.4 | HCGF5A2V561□ |
| | 680 | 36×83 | A8 | 0.20 | 7.0 | HCGF5A2V681□ |
| | 820 | 36×100 | A10 | 0.20 | 8.3 | HCGF5A2V821□ |
| | 1000 | 36×100 | A10 | 0.20 | 9.2 | HCGF5A2V102□ |
| | 1200 | 51×75 | C8R | 0.20 | 10.3 | HCGF5A2V122Y |
| | 1500 | 51×75 | C8R | 0.20 | 11.5 | HCGF5A2V152Y |
| | 1800 | 51×96 | C10R | 0.20 | 13.9 | HCGF5A2V182Y |
| | 2200 | 51×96 | C10R | 0.20 | 15.4 | HCGF5A2V222Y |
| | 2700 | 51×130 | C13R | 0.20 | 19.3 | HCGF5A2V272Y |
| | 3300 | 51×130 | C13R | 0.20 | 21.4 | HCGF5A2V332Y |
| | 3900 | 64×115 | D12R | 0.20 | 24.2 | HCGF5A2V392Y |
| | 4700 | 64×130 | D13R | 0.20 | 27.9 | HCGF5A2V472Y |
| | 5600 | 77×115 | E12R | 0.20 | 30.7 | HCGF5A2V562Y |
| | 6800 | 77×130 | E13R | 0.20 | 35.4 | HCGF5A2V682Y |
| | 8200 | 77×155 | E16R | 0.20 | 41.7 | HCGF5A2V822Y |
| | 10000 | 90×157 | F16R | 0.20 | 49.0 | HCGF5A2V103Y |
| | 12000 | 90×157 | F16R | 0.20 | 54.1 | HCGF5A2V123Y |
| | 15000 | 90×196 | F20R | 0.20 | 66.2 | HCGF5A2V153Y |
| | 18000 | 90×236 | F24R | 0.20 | 77.9 | HCGF5A2V183Y |

| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 400V(2G) | 330 | 36×53 | A5 | 0.20 | 4.1 | HCGF5A2G331□ |
| | 390 | 36×83 | A8 | 0.20 | 5.3 | HCGF5A2G391□ |
| | 470 | 36×83 | A8 | 0.20 | 5.8 | HCGF5A2G471□ |
| | 560 | 36×83 | A8 | 0.20 | 6.4 | HCGF5A2G561□ |
| | 680 | 36×100 | A10 | 0.20 | 7.6 | HCGF5A2G681□ |
| | 820 | 36×100 | A10 | 0.20 | 8.3 | HCGF5A2G821□ |
| | 1000 | 51×75 | C8R | 0.20 | 9.4 | HCGF5A2G102Y |
| | 1200 | 51×75 | C8R | 0.20 | 10.3 | HCGF5A2G122Y |
| | 1500 | 51×96 | C10R | 0.20 | 12.7 | HCGF5A2G152Y |
| | 1800 | 51×96 | C10R | 0.20 | 13.9 | HCGF5A2G182Y |
| | 2200 | 51×130 | C13R | 0.20 | 17.4 | HCGF5A2G222Y |
| | 2700 | 64×96 | D10R | 0.20 | 18.8 | HCGF5A2G272Y |
| | 3300 | 64×115 | D12R | 0.20 | 22.2 | HCGF5A2G332Y |
| | 3900 | 64×130 | D13R | 0.20 | 25.4 | HCGF5A2G392Y |
| | 4700 | 77×115 | E12R | 0.20 | 28.2 | HCGF5A2G472Y |
| | 5600 | 77×130 | E13R | 0.20 | 32.2 | HCGF5A2G562Y |
| | 6800 | 77×155 | E16R | 0.20 | 38.0 | HCGF5A2G682Y |
| | 8200 | 90×157 | F16R | 0.20 | 44.4 | HCGF5A2G822Y |
| | 10000 | 90×157 | F16R | 0.20 | 49.4 | HCGF5A2G103Y |
| | 12000 | 90×196 | F20R | 0.20 | 59.1 | HCGF5A2G123Y |
| | 15000 | 90×236 | F24R | 0.20 | 71.1 | HCGF5A2G153Y |



| Rated Voltage V. DC | Capacitance (μF) | Case size øDXL(mm) | Case code | tanδ 20°C,120Hz | Ripple current (Arms) 40°C,120Hz | Product name |
|---|---|---|---|---|---|---|
| 450V(2W) | 270 | 36×53 | A5 | 0.20 | 3.7 | HCGF5A2W271□ |
| | 330 | 36×83 | A8 | 0.20 | 4.9 | HCGF5A2W331□ |
| | 390 | 36×83 | A8 | 0.20 | 5.3 | HCGF5A2W391□ |
| | 470 | 36×83 | A8 | 0.20 | 5.8 | HCGF5A2W471□ |
| | 560 | 36×100 | A10 | 0.20 | 6.9 | HCGF5A2W561□ |
| | 680 | 36×100 | A10 | 0.20 | 7.6 | HCGF5A2W681□ |
| | 820 | 51×75 | C8R | 0.20 | 8.6 | HCGF5A2W821Y |
| | 1000 | 51×75 | C8R | 0.20 | 9.4 | HCGF5A2W102Y |
| | 1200 | 51×96 | C10R | 0.20 | 11.4 | HCGF5A2W122Y |
| | 1500 | 51×115 | C12R | 0.20 | 13.7 | HCGF5A2W152Y |
| | 1800 | 51×130 | C13R | 0.20 | 15.8 | HCGF5A2W182Y |
| | 2200 | 64×96 | D10R | 0.20 | 17.0 | HCGF5A2W222Y |
| | 2700 | 64×115 | D12R | 0.20 | 20.2 | HCGF5A2W272Y |
| | 3300 | 64×130 | D13R | 0.20 | 23.4 | HCGF5A2W332Y |
| | 3900 | 77×115 | E12R | 0.20 | 25.6 | HCGF5A2W392Y |
| | 4700 | 77×130 | E13R | 0.20 | 29.4 | HCGF5A2W472Y |
| | 5600 | 77×155 | E16R | 0.20 | 34.6 | HCGF5A2W562Y |
| | 6800 | 90×157 | F16R | 0.20 | 40.5 | HCGF5A2W682Y |
| | 8200 | 90×157 | F16R | 0.20 | 44.6 | HCGF5A2W822Y |
| | 10000 | 90×196 | F20R | 0.20 | 53.9 | HCGF5A2W103Y |
| | 12000 | 90×236 | F24R | 0.20 | 63.8 | HCGF5A2W123Y |