



# ELECTRONIC EQUIPMENT FILM CAPACITOR

## HACD Series

- Maximum operating temperature 105°C.
- Allowable temperature rise 15K max.
- Downsizing of HACB series.



### ◆SPECIFICATIONS

| Items                                          | Characteristics                                                                                            |                                                   |      |      |      |      |      |      |      |  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------|------|------|------|------|------|------|--|
| Category temperature range                     | -40 to +105℃                                                                                               |                                                   |      |      |      |      |      |      |      |  |
| Rated voltage range                            | 630 to 4000V <sub>dc</sub>                                                                                 |                                                   |      |      |      |      |      |      |      |  |
| Capacitance tolerance                          | ±5%(J)                                                                                                     |                                                   |      |      |      |      |      |      |      |  |
| Voltage proof<br>(Terminal - Terminal)         | No degradation, at 150% of rated voltage shall be applied for 60 seconds.                                  |                                                   |      |      |      |      |      |      |      |  |
| Dissipation factor<br>(tanδ)                   | No more than 0.05% : Equal or less than 1μF.<br>No more than (c×0.015+0.05)% : More than 1μF.              |                                                   |      |      |      |      |      |      |      |  |
| Insulation resistance<br>(Terminal - Terminal) | No less than 30000MΩ : Equal or less than 0.33μF.<br>No less than 10000ΩF : More than 0.33μF.              |                                                   |      |      |      |      |      |      |      |  |
|                                                | Rated voltage (V <sub>dc</sub> )                                                                           | 630                                               | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 |  |
|                                                | Measurement voltage (V <sub>ac</sub> )                                                                     | 500                                               | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |  |
| Endurance                                      | The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 105℃.   |                                                   |      |      |      |      |      |      |      |  |
|                                                | Appearance                                                                                                 | No serious degradation                            |      |      |      |      |      |      |      |  |
|                                                | Insulation resistance<br>(Terminal - Terminal)                                                             | No less than 10000MΩ : Equal or less than 0.33μF. |      |      |      |      |      |      |      |  |
|                                                |                                                                                                            | No less than 3000ΩF : More than 0.33μF.           |      |      |      |      |      |      |      |  |
|                                                | Dissipation factor (tanδ)                                                                                  | Not more than initial specification at 1kHz.      |      |      |      |      |      |      |      |  |
|                                                | Capacitance change                                                                                         | Within ±5% of initial value.                      |      |      |      |      |      |      |      |  |
| Loading under damp heat                        | The following specifications shall be satisfied, after 500hrs with applying rated voltage at 40℃ 90~95%RH. |                                                   |      |      |      |      |      |      |      |  |
|                                                | Appearance                                                                                                 | No serious degradation.                           |      |      |      |      |      |      |      |  |
|                                                | Insulation resistance<br>(Terminal - Terminal)                                                             | No less than 10000MΩ : Equal or less than 0.33μF. |      |      |      |      |      |      |      |  |
|                                                |                                                                                                            | No less than 3000ΩF : More than 0.33μF.           |      |      |      |      |      |      |      |  |
|                                                | Dissipation factor (tanδ)                                                                                  | Not more than initial specification at 1kHz.      |      |      |      |      |      |      |      |  |
|                                                | Capacitance change                                                                                         | Within ±5% of initial value.                      |      |      |      |      |      |      |      |  |

### ◆STANDARD RATINGS

| WV (V <sub>dc</sub> ) | Cap (μF) | Dimensions (mm) |      |      |      |     | Maximum ripple current (Arms) | WV (V <sub>ac</sub> ) | Part Number        | Previous Part Number (Just for your reference) |
|-----------------------|----------|-----------------|------|------|------|-----|-------------------------------|-----------------------|--------------------|------------------------------------------------|
|                       |          | W               | H    | T    | F    | φd  |                               |                       |                    |                                                |
| 630                   | 0.047    | 17.7            | 9.8  | 9.3  | 12.5 | 0.8 | 2.65                          | 250                   | FHACD631V473J0LGZ0 | HACD2J473J                                     |
|                       | 0.056    |                 | 10.4 | 10.0 |      |     | 2.89                          |                       | FHACD631V563J0LGZ0 | HACD2J563J                                     |
|                       | 0.068    |                 | 11.0 | 10.5 |      |     | 3.19                          |                       | FHACD631V683J0LGZ0 | HACD2J683J                                     |
|                       | 0.082    |                 | 11.6 | 11.1 |      |     | 3.50                          |                       | FHACD631V823J0LGZ0 | HACD2J823J                                     |
|                       | 0.1      |                 | 12.3 | 11.7 |      |     | 3.86                          |                       | FHACD631V104J0LGZ0 | HACD2J104J                                     |
|                       | 0.12     |                 | 13.1 | 12.5 |      |     | 4.23                          |                       | FHACD631V124J0LGZ0 | HACD2J124J                                     |
|                       | 0.15     |                 | 14.1 | 13.5 |      |     | 4.73                          |                       | FHACD631V154J0LGZ0 | HACD2J154J                                     |
|                       | 0.18     |                 | 15.1 | 14.4 |      |     | 5.18                          |                       | FHACD631V184J0LGZ0 | HACD2J184J                                     |
|                       | 0.22     | 22.7            | 13.8 | 13.2 | 17.5 | 0.8 | 4.31                          |                       | FHACD631V224J1LHZ0 | HACD2J224J                                     |
|                       | 0.27     |                 | 14.9 | 14.2 |      |     | 4.78                          |                       | FHACD631V274J1LHZ0 | HACD2J274J                                     |
|                       | 0.33     |                 | 16.1 | 15.3 |      |     | 5.28                          |                       | FHACD631V334J1LHZ0 | HACD2J334J                                     |
|                       | 0.39     |                 | 17.1 | 16.3 |      |     | 5.74                          |                       | FHACD631V394J1LHZ0 | HACD2J394J                                     |
|                       | 0.47     |                 | 18.5 | 17.6 |      |     | 6.30                          |                       | FHACD631V474J1LHZ0 | HACD2J474J                                     |
|                       | 0.56     |                 | 19.9 | 18.9 |      |     | 6.88                          |                       | FHACD631V564J1LHZ0 | HACD2J564J                                     |
|                       | 0.68     |                 | 19.0 | 18.1 |      |     | 6.19                          |                       | FHACD631V684J2LEZ0 | HACD2J684J                                     |
|                       | 0.82     |                 | 20.5 | 19.6 |      |     | 6.79                          |                       | FHACD631V824J2LEZ0 | HACD2J824J                                     |
|                       | 1.0      | 27.7            | 22.3 | 21.3 | 22.5 | 1.0 | 7.50                          |                       | FHACD631V105J2LEZ0 | HACD2J105J                                     |
|                       | 1.2      |                 | 24.2 | 23.0 |      |     | 8.22                          |                       | FHACD631V125J2LEZ0 | HACD2J125J                                     |
|                       | 1.5      |                 | 26.7 | 25.4 |      |     | 9.19                          |                       | FHACD631V155J2LEZ0 | HACD2J155J                                     |
|                       |          |                 |      |      |      |     |                               |                       |                    |                                                |
| 1000                  | 0.033    | 17.7            | 10.0 | 9.6  | 12.5 | 0.8 | 2.43                          | 270                   | FHACD102V333J0LGZ0 | HACD3A333J                                     |
|                       | 0.039    |                 | 10.4 | 10.0 |      |     | 2.64                          |                       | FHACD102V393J0LGZ0 | HACD3A393J                                     |
|                       | 0.047    |                 | 11.0 | 10.5 |      |     | 2.90                          |                       | FHACD102V473J0LGZ0 | HACD3A473J                                     |
|                       | 0.056    |                 | 11.5 | 11.0 |      |     | 3.17                          |                       | FHACD102V563J0LGZ0 | HACD3A563J                                     |
|                       | 0.068    |                 | 12.2 | 11.7 |      |     | 3.49                          |                       | FHACD102V683J0LGZ0 | HACD3A683J                                     |
|                       | 0.082    |                 | 13.0 | 12.4 |      |     | 3.83                          |                       | FHACD102V823J0LGZ0 | HACD3A823J                                     |
|                       | 0.1      |                 | 13.9 | 13.3 |      |     | 4.23                          |                       | FHACD102V104J0LGZ0 | HACD3A104J                                     |
|                       | 0.12     |                 | 14.9 | 14.2 |      |     | 4.64                          |                       | FHACD102V124J0LGZ0 | HACD3A124J                                     |
|                       | 0.15     | 22.7            | 13.7 | 13.1 | 17.5 | 0.8 | 3.90                          |                       | FHACD102V154J1LHZ0 | HACD3A154J                                     |
|                       | 0.18     |                 | 14.7 | 14.0 |      |     | 4.27                          |                       | FHACD102V184J1LHZ0 | HACD3A184J                                     |
|                       | 0.22     |                 | 15.8 | 15.1 |      |     | 4.72                          |                       | FHACD102V224J1LHZ0 | HACD3A224J                                     |
|                       | 0.27     |                 | 17.1 | 16.3 |      |     | 5.23                          |                       | FHACD102V274J1LHZ0 | HACD3A274J                                     |
|                       | 0.33     |                 | 18.6 | 17.7 |      |     | 5.79                          |                       | FHACD102V334J1LHZ0 | HACD3A334J                                     |
|                       | 0.39     |                 | 19.9 | 19.0 |      |     | 6.29                          |                       | FHACD102V394J1LHZ0 | HACD3A394J                                     |
|                       |          |                 |      |      |      |     |                               |                       |                    |                                                |

(1)The maximum ripple current : +85°C max., 100kHz, sine wave

(2)WV(V<sub>ac</sub>) : 50Hz or 60Hz, sine wave

### ◆STANDARD RATINGS

| WV<br>(Vdc) | Cap<br>(μF) | Dimensions (mm) |      |      |                    |                     | Maximum<br>ripple current<br>(Arms) | WV<br>(Vac)         | Part Number        | Previous Part Number<br>(Just for your reference) |                     |            |  |  |
|-------------|-------------|-----------------|------|------|--------------------|---------------------|-------------------------------------|---------------------|--------------------|---------------------------------------------------|---------------------|------------|--|--|
|             |             | W               | H    | T    | F                  | φd                  |                                     |                     |                    |                                                   |                     |            |  |  |
| 1000        | 0.47        | 27.7            | 18.9 | 18.0 | 22.5               | 1.0                 | 5.63                                | 270                 | FHACD102V474J2LEZ0 | HACD3A474J                                        |                     |            |  |  |
|             | 0.56        |                 | 20.4 | 19.4 |                    |                     | 6.15                                |                     | FHACD102V564J2LEZ0 | HACD3A564J                                        |                     |            |  |  |
|             | 0.68        |                 | 22.1 | 21.1 |                    |                     | 6.78                                |                     | FHACD102V684J2LEZ0 | HACD3A684J                                        |                     |            |  |  |
|             | 0.82        |                 | 24.0 | 22.9 |                    |                     | 7.44                                |                     | FHACD102V824J2LEZ0 | HACD3A824J                                        |                     |            |  |  |
|             | 1.0         |                 | 26.2 | 25.0 |                    |                     | 8.22                                |                     | FHACD102V105J2LEZ0 | HACD3A105J                                        |                     |            |  |  |
|             | 1.2         |                 | 28.5 | 27.1 |                    |                     | 9.00                                |                     | FHACD102V125J2LEZ0 | HACD3A125J                                        |                     |            |  |  |
|             |             |                 |      |      |                    |                     |                                     |                     |                    |                                                   |                     |            |  |  |
| 1250        | 0.018       | 17.7            | 9.7  | 9.3  | 12.5               | 0.8                 | 2.04                                | 300                 | FHACD1C2V183J0LGZ0 | HACD3B183J                                        |                     |            |  |  |
|             | 0.022       |                 | 10.4 | 9.9  |                    |                     | 2.25                                |                     | FHACD1C2V223J0LGZ0 | HACD3B223J                                        |                     |            |  |  |
|             | 0.027       |                 | 11.0 | 10.5 |                    |                     | 2.50                                |                     | FHACD1C2V273J0LGZ0 | HACD3B273J                                        |                     |            |  |  |
|             | 0.033       |                 | 11.6 | 11.1 |                    |                     | 2.76                                |                     | FHACD1C2V333J0LGZ0 | HACD3B333J                                        |                     |            |  |  |
|             | 0.039       |                 | 12.3 | 11.7 |                    |                     | 3.00                                |                     | FHACD1C2V393J0LGZ0 | HACD3B393J                                        |                     |            |  |  |
|             | 0.047       |                 | 13.0 | 12.4 |                    |                     | 3.29                                |                     | FHACD1C2V473J0LGZ0 | HACD3B473J                                        |                     |            |  |  |
|             | 0.056       |                 | 13.8 | 13.2 |                    |                     | 3.60                                |                     | FHACD1C2V563J0LGZ0 | HACD3B563J                                        |                     |            |  |  |
|             | 0.068       | 14.8            | 14.2 | 3.96 | FHACD1C2V683J0LGZ0 |                     | HACD3B683J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.082       | 22.7            | 13.3 | 12.7 | 3.24               |                     | FHACD1C2V823J1LHZ0                  |                     | HACD3B823J         |                                                   |                     |            |  |  |
|             | 0.1         |                 | 14.3 | 13.6 | 3.57               |                     | FHACD1C2V104J1LHZ0                  |                     | HACD3B104J         |                                                   |                     |            |  |  |
|             | 0.12        |                 | 15.3 | 14.6 | 3.91               |                     | FHACD1C2V124J1LHZ0                  |                     | HACD3B124J         |                                                   |                     |            |  |  |
|             | 0.15        |                 | 16.7 | 15.9 | 4.38               |                     | FHACD1C2V154J1LHZ0                  |                     | HACD3B154J         |                                                   |                     |            |  |  |
|             | 0.18        |                 | 17.9 | 17.1 | 4.79               |                     | FHACD1C2V184J1LHZ0                  |                     | HACD3B184J         |                                                   |                     |            |  |  |
|             | 0.22        |                 | 19.5 | 18.6 | 5.30               |                     | FHACD1C2V224J1LHZ0                  |                     | HACD3B224J         |                                                   |                     |            |  |  |
|             | 0.27        |                 | 18.5 | 17.7 | 4.77               | FHACD1C2V274J2LEZ0  | HACD3B274J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.33        | 27.7            | 20.1 | 19.2 | 5.28               | FHACD1C2V334J2LEZ0  | HACD3B334J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.39        |                 | 21.6 | 20.6 | 5.74               | FHACD1C2V394J2LEZ0  | HACD3B394J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.47        |                 | 23.4 | 22.3 | 6.30               | FHACD1C2V474J2LEZ0  | HACD3B474J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.56        |                 | 25.3 | 24.1 | 6.87               | FHACD1C2V564J2LEZ0  | HACD3B564J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.68        |                 | 27.6 | 26.3 | 7.58               | FHACD1C2V684J2LEZ0  | HACD3B684J                          |                     |                    |                                                   |                     |            |  |  |
|             | 0.82        |                 | 23.2 | 22.1 | 5.55               | FHACD1C2V824J2LEZ0  | HACD3B824J                          |                     |                    |                                                   |                     |            |  |  |
|             | 1.0         |                 | 42.7 | 25.4 | 24.2               | 6.13                | FHACD1C2V105J2LEZ0                  |                     | HACD3B105J         |                                                   |                     |            |  |  |
|             | 1.2         | 27.5            |      | 26.2 | 6.72               | FHACD1C2V125J2LEZ0  | HACD3B125J                          |                     |                    |                                                   |                     |            |  |  |
|             |             |                 |      |      |                    |                     |                                     |                     |                    |                                                   |                     |            |  |  |
|             | 1600        | 0.0068          | 19.7 | 10.0 | 9.5                | 15.0                | 0.8                                 |                     | 1.72               | 350                                               | FHACD162V682J2KLDZ0 | HACD3C682J |  |  |
|             |             | 0.0082          |      | 10.6 | 10.1               |                     |                                     |                     | 1.89               |                                                   | FHACD162V822J2KLDZ0 | HACD3C822J |  |  |
|             |             | 0.01            |      | 11.2 | 10.6               |                     |                                     |                     | 2.09               |                                                   | FHACD162V103J2KLDZ0 | HACD3C103J |  |  |
| 0.012       |             | 11.8            |      | 11.2 | 2.29               |                     |                                     | FHACD162V123J2KLDZ0 | HACD3C123J         |                                                   |                     |            |  |  |
| 0.015       |             | 12.6            |      | 12.0 | 2.56               |                     |                                     | FHACD162V153J2KLDZ0 | HACD3C153J         |                                                   |                     |            |  |  |
| 0.018       |             | 13.4            |      | 12.8 | 2.80               |                     |                                     | FHACD162V183J2KLDZ0 | HACD3C183J         |                                                   |                     |            |  |  |
| 0.022       |             | 14.4            |      | 13.7 | 3.10               |                     |                                     | FHACD162V223J2KLDZ0 | HACD3C223J         |                                                   |                     |            |  |  |
| 0.027       |             | 22.7            | 15.0 | 14.3 | 3.43               | FHACD162V273J2KLDZ0 |                                     | HACD3C273J          |                    |                                                   |                     |            |  |  |
| 0.033       |             |                 | 16.3 | 15.5 | 3.80               | FHACD162V333J2KLDZ0 |                                     | HACD3C333J          |                    |                                                   |                     |            |  |  |
| 0.039       |             |                 | 13.0 | 12.4 | 2.60               | FHACD162V393J1LHZ0  |                                     | HACD3C393J          |                    |                                                   |                     |            |  |  |
| 0.047       |             |                 | 13.8 | 13.2 | 2.85               | FHACD162V473J1LHZ0  |                                     | HACD3C473J          |                    |                                                   |                     |            |  |  |
| 0.056       |             |                 | 14.7 | 14.0 | 3.11               | FHACD162V563J1LHZ0  |                                     | HACD3C563J          |                    |                                                   |                     |            |  |  |
| 0.068       |             |                 | 15.8 | 15.1 | 3.43               | FHACD162V683J1LHZ0  |                                     | HACD3C683J          |                    |                                                   |                     |            |  |  |
| 0.082       |             |                 | 17.0 | 16.2 | 3.77               | FHACD162V823J1LHZ0  |                                     | HACD3C823J          |                    |                                                   |                     |            |  |  |
| 0.1         |             | 27.7            | 18.4 | 17.6 | 4.16               | FHACD162V104J1LHZ0  | HACD3C104J                          |                     |                    |                                                   |                     |            |  |  |
| 0.12        |             |                 | 17.2 | 16.4 | 3.68               | FHACD162V124J2LEZ0  | HACD3C124J                          |                     |                    |                                                   |                     |            |  |  |
| 0.15        |             |                 | 18.9 | 18.0 | 4.12               | FHACD162V154J2LEZ0  | HACD3C154J                          |                     |                    |                                                   |                     |            |  |  |
| 0.18        |             |                 | 20.4 | 19.4 | 4.51               | FHACD162V184J2LEZ0  | HACD3C184J                          |                     |                    |                                                   |                     |            |  |  |
| 0.22        |             |                 | 22.2 | 21.1 | 4.99               | FHACD162V224J2LEZ0  | HACD3C224J                          |                     |                    |                                                   |                     |            |  |  |
| 0.27        |             |                 | 24.2 | 23.1 | 5.53               | FHACD162V274J2LEZ0  | HACD3C274J                          |                     |                    |                                                   |                     |            |  |  |
| 0.33        |             |                 | 26.5 | 25.3 | 6.11               | FHACD162V334J2LEZ0  | HACD3C334J                          |                     |                    |                                                   |                     |            |  |  |
| 2000        |             | 0.0033          | 19.7 | 9.3  | 8.9                | 15.0                | 0.8                                 | 1.39                | 350                |                                                   | FHACD202V332J2KLDZ0 | HACD3D332J |  |  |
|             |             | 0.0039          |      | 9.7  | 9.2                |                     |                                     | 1.52                |                    |                                                   | FHACD202V392J2KLDZ0 | HACD3D392J |  |  |
|             | 0.0047      | 10.2            |      | 9.7  | 1.66               |                     |                                     | FHACD202V472J2KLDZ0 |                    | HACD3D472J                                        |                     |            |  |  |
|             | 0.0056      | 10.9            |      | 10.4 | 1.82               |                     |                                     | FHACD202V562J2KLDZ0 |                    | HACD3D562J                                        |                     |            |  |  |
|             | 0.0068      | 11.8            |      | 11.2 | 2.00               |                     |                                     | FHACD202V682J2KLDZ0 |                    | HACD3D682J                                        |                     |            |  |  |
|             | 0.0082      | 12.6            |      | 12.0 | 2.20               |                     |                                     | FHACD202V822J2KLDZ0 |                    | HACD3D822J                                        |                     |            |  |  |
|             | 0.01        | 13.5            |      | 12.9 | 2.43               |                     |                                     | FHACD202V103J2KLDZ0 |                    | HACD3D103J                                        |                     |            |  |  |
|             | 0.012       | 14.4            |      | 13.7 | 2.66               |                     |                                     | FHACD202V123J2KLDZ0 |                    | HACD3D123J                                        |                     |            |  |  |
|             | 0.015       | 15.6            |      | 14.9 | 2.97               |                     |                                     | FHACD202V153J2KLDZ0 |                    | HACD3D153J                                        |                     |            |  |  |
|             | 0.018       | 16.7            |      | 16.0 | 3.26               |                     |                                     | FHACD202V183J2KLDZ0 |                    | HACD3D183J                                        |                     |            |  |  |
|             |             |                 |      |      |                    |                     |                                     |                     |                    |                                                   |                     |            |  |  |
|             |             |                 |      |      |                    |                     |                                     |                     |                    |                                                   |                     |            |  |  |

(1) The maximum ripple current : +85°C max., 100kHz, sine wave

(2) WV(Vac) : 50Hz or 60Hz, sine wave

◆STANDARD RATINGS

| WV<br>(Vdc) | Cap<br>(μF) | Dimensions (mm) |      |      |      |      | Maximum<br>ripple current<br>(Arms) | WV<br>(Vac) | Part Number        | Previous Part Number<br>(Just for your reference) |
|-------------|-------------|-----------------|------|------|------|------|-------------------------------------|-------------|--------------------|---------------------------------------------------|
|             |             | W               | H    | T    | F    | φd   |                                     |             |                    |                                                   |
| 2000        | 0.022       | 22.7            | 13.1 | 12.5 | 17.5 | 0.8  | 2.27                                | 350         | FHACD202V223J1LHZ0 | HACD3D223J                                        |
|             | 0.027       |                 | 14.0 | 13.4 |      |      | 2.51                                |             | FHACD202V273J1LHZ0 | HACD3D273J                                        |
|             | 0.033       |                 | 15.1 | 14.4 |      |      | 2.78                                |             | FHACD202V333J1LHZ0 | HACD3D333J                                        |
|             | 0.039       |                 | 16.1 | 15.3 |      |      | 3.02                                |             | FHACD202V393J1LHZ0 | HACD3D393J                                        |
|             | 0.047       |                 | 17.3 | 16.5 |      |      | 3.32                                |             | FHACD202V473J1LHZ0 | HACD3D473J                                        |
|             | 0.056       |                 | 18.6 | 17.7 |      |      | 3.62                                |             | FHACD202V563J1LHZ0 | HACD3D563J                                        |
|             | 0.068       | 27.7            | 17.5 | 16.6 | 22.5 | 1.0  | 3.22                                |             | FHACD202V683J2LEZ0 | HACD3D683J                                        |
|             | 0.082       |                 | 18.8 | 18.0 |      |      | 3.54                                |             | FHACD202V823J2LEZ0 | HACD3D823J                                        |
|             | 0.1         |                 | 20.5 | 19.5 |      |      | 3.91                                |             | FHACD202V104J2LEZ0 | HACD3D104J                                        |
|             | 0.12        |                 | 22.1 | 21.1 |      |      | 4.28                                |             | FHACD202V124J2LEZ0 | HACD3D124J                                        |
|             | 0.15        |                 | 24.4 | 23.2 |      |      | 4.79                                |             | FHACD202V154J2LEZ0 | HACD3D154J                                        |
|             | 0.18        |                 | 26.4 | 25.2 |      |      | 5.24                                |             | FHACD202V184J2LEZ0 | HACD3D184J                                        |
|             | 0.22        | 42.7            | 22.6 | 21.5 | 37.5 | 3.93 | FHACD202V224JTLJZ0                  |             | HACD3D224J         |                                                   |
|             | 0.27        |                 | 24.7 | 23.5 |      | 4.35 | FHACD202V274JTLJZ0                  |             | HACD3D274J         |                                                   |
|             | 0.33        |                 | 27.0 | 25.7 |      | 4.81 | FHACD202V334JTLJZ0                  |             | HACD3D334J         |                                                   |
|             |             |                 |      |      |      |      |                                     |             |                    |                                                   |
| 2500        | 0.015       | 34.7            | 12.7 | 12.1 | 30.0 | 1.0  | 2.11                                | 500         | FHACD252V153JRLQZ0 | HACD3E153J                                        |
|             | 0.018       |                 | 13.6 | 13.0 |      |      | 2.31                                |             | FHACD252V183JRLQZ0 | HACD3E183J                                        |
|             | 0.022       |                 | 14.8 | 14.1 |      |      | 2.55                                |             | FHACD252V223JRLQZ0 | HACD3E223J                                        |
|             | 0.027       |                 | 16.1 | 15.3 |      |      | 2.83                                |             | FHACD252V273JRLQZ0 | HACD3E273J                                        |
|             | 0.033       |                 | 17.4 | 16.6 |      |      | 3.13                                |             | FHACD252V333JRLQZ0 | HACD3E333J                                        |
|             | 0.039       |                 | 18.8 | 17.9 |      |      | 3.40                                |             | FHACD252V393JRLQZ0 | HACD3E393J                                        |
|             | 0.047       |                 | 20.4 | 19.4 |      |      | 3.73                                |             | FHACD252V473JRLQZ0 | HACD3E473J                                        |
|             | 0.056       |                 | 22.0 | 21.0 |      |      | 4.07                                |             | FHACD252V563JRLQZ0 | HACD3E563J                                        |
|             | 0.068       |                 | 24.0 | 22.9 |      |      | 4.49                                |             | FHACD252V683JRLQZ0 | HACD3E683J                                        |
|             | 0.082       |                 | 26.1 | 24.9 |      |      | 4.93                                |             | FHACD252V823JRLQZ0 | HACD3E823J                                        |
|             | 0.1         |                 | 28.7 | 27.3 |      |      | 5.44                                |             | FHACD252V104JRLQZ0 | HACD3E104J                                        |
|             |             |                 |      |      |      |      |                                     |             |                    |                                                   |
| 3150        | 0.0068      | 34.7            | 12.5 | 11.9 | 30.0 | 1.0  | 1.64                                | 630         | FHACD3B2V682JRLQZ0 | HACD3F682J                                        |
|             | 0.0082      |                 | 13.3 | 12.7 |      |      | 1.80                                |             | FHACD3B2V822JRLQZ0 | HACD3F822J                                        |
|             | 0.01        |                 | 14.5 | 13.8 |      |      | 1.99                                |             | FHACD3B2V103JRLQZ0 | HACD3F103J                                        |
|             | 0.012       |                 | 15.5 | 14.8 |      |      | 2.18                                |             | FHACD3B2V123JRLQZ0 | HACD3F123J                                        |
|             | 0.015       |                 | 17.1 | 16.3 |      |      | 2.44                                |             | FHACD3B2V153JRLQZ0 | HACD3F153J                                        |
|             | 0.018       |                 | 18.5 | 17.6 |      |      | 2.67                                |             | FHACD3B2V183JRLQZ0 | HACD3F183J                                        |
|             | 0.022       |                 | 20.2 | 19.2 |      |      | 2.95                                |             | FHACD3B2V223JRLQZ0 | HACD3F223J                                        |
|             | 0.027       |                 | 22.1 | 21.1 |      |      | 3.27                                |             | FHACD3B2V273JRLQZ0 | HACD3F273J                                        |
|             | 0.033       |                 | 24.1 | 23.0 |      |      | 3.62                                |             | FHACD3B2V333JRLQZ0 | HACD3F333J                                        |
|             | 0.039       |                 | 26.0 | 24.8 |      |      | 3.93                                |             | FHACD3B2V393JRLQZ0 | HACD3F393J                                        |
|             | 0.047       |                 | 28.3 | 27.0 |      |      | 4.31                                |             | FHACD3B2V473JRLQZ0 | HACD3F473J                                        |
|             |             |                 |      |      |      |      |                                     |             |                    |                                                   |
| 4000        | 0.0039      | 34.7            | 12.0 | 11.5 | 30.0 | 1.0  | 1.63                                | 720         | FHACD402V392JRLQZ0 | HACD3G392J                                        |
|             | 0.0047      |                 | 13.0 | 12.4 |      |      | 1.79                                |             | FHACD402V472JRLQZ0 | HACD3G472J                                        |
|             | 0.0056      |                 | 13.8 | 13.2 |      |      | 1.95                                |             | FHACD402V562JRLQZ0 | HACD3G562J                                        |
|             | 0.0068      |                 | 15.0 | 14.3 |      |      | 2.15                                |             | FHACD402V682JRLQZ0 | HACD3G682J                                        |
|             | 0.0082      |                 | 16.2 | 15.4 |      |      | 2.36                                |             | FHACD402V822JRLQZ0 | HACD3G822J                                        |
|             | 0.01        |                 | 17.6 | 16.8 |      |      | 2.60                                |             | FHACD402V103JRLQZ0 | HACD3G103J                                        |
|             | 0.012       |                 | 19.0 | 18.1 |      |      | 2.85                                |             | FHACD402V123JRLQZ0 | HACD3G123J                                        |
|             | 0.015       |                 | 21.0 | 20.0 |      |      | 3.19                                |             | FHACD402V153JRLQZ0 | HACD3G153J                                        |
|             | 0.018       |                 | 22.8 | 21.8 |      |      | 3.49                                |             | FHACD402V183JRLQZ0 | HACD3G183J                                        |
|             | 0.022       |                 | 25.0 | 23.8 |      |      | 3.86                                |             | FHACD402V223JRLQZ0 | HACD3G223J                                        |
|             | 0.027       |                 | 27.4 | 26.1 |      |      | 4.28                                |             | FHACD402V273JRLQZ0 | HACD3G273J                                        |
|             |             |                 |      |      |      |      |                                     |             |                    |                                                   |

(1) The maximum ripple current : +85°C max., 100kHz, sine wave

(2) WV(Vac) : 50Hz or 60Hz, sine wave

◆DIMENSIONS (mm)

