

### Screw Terminal Type

Series:GTA

■ Features

High ripple current handling capability (50 % higher than series G-UP)  
 Newly improved long life and safety design (Endurance : 85°C 5000 h)

Japan



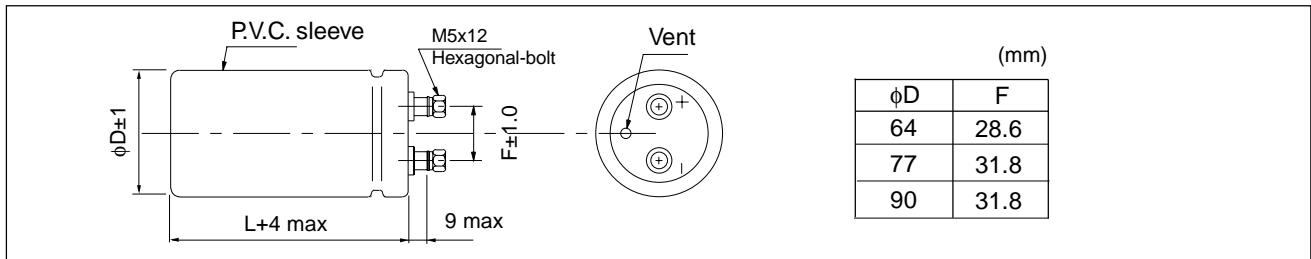
■ Recommended Applications

Suitable for the Hi-ripple circuit of electric vehicle,  
 electric train, general-purpose inverter.

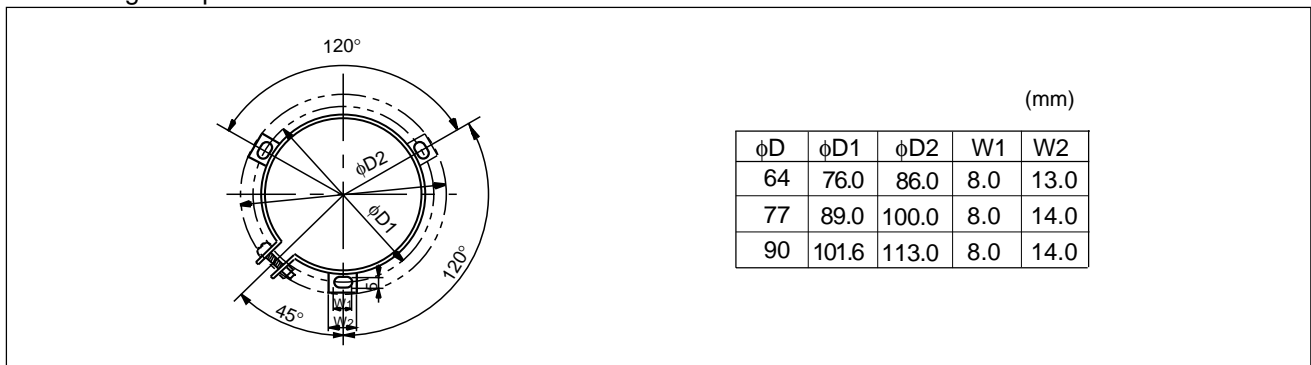
■ Specifications

|  |   |                                    |      |      |      |      |      |        |
|--|---|------------------------------------|------|------|------|------|------|--------|
| Category temp. range                           | -25 to +85°C  |                                    |      |      |      |      |      |        |
| Rated W.V. Range                               | 450 V .DC   |                                    |      |      |      |      |      |        |
| Nominal Cap. Range                             | 2700 to 12000 μ F   |                                    |      |      |      |      |      |        |
| Capacitance Tolerance                          | ±20% (120Hz/+20°C)  |                                    |      |      |      |      |      |        |
| DC Leakage Current                             | 3√CV (μA) or 5 (mA) whichever, smaller, after 5 minutes application of rated working voltage at +20°C : Capacitance(μF) V: W.V. (V.DC)  |                                    |      |      |      |      |      |        |
| Frequency correction factor for ripple current | Frequency (Hz)  | 60                                 | 120  | 300  | 360  | 1k   | 3k   | 10k to |
|  | Correction factor   | 0.80                               | 1.00 | 1.15 | 1.18 | 1.30 | 1.40 | 1.48   |
| Dissipation Factor                             | Please see the attached standard products list  |                                    |      |      |      |      |      |        |
| Endurance                                      | After 5000 hours application of DC voltage with specified ripple current (≤ rated DC working voltage ) at +85°C, the capacitor shall meet the following limits.                         |                                    |      |      |      |      |      |        |
|  | Capacitance change  | ± 20% of initial measured value    |      |      |      |      |      |        |
|  | D.F.  | ≤ 200 % of initial specified value |      |      |      |      |      |        |
|  | DC leakage current  | ≤ initial specified value          |      |      |      |      |      |        |
| Shelf Life                                     | After storage for 1000hours at +85±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in "Endurance".(With voltage treatment) |                                    |      |      |      |      |      |        |
| Withstand Voltage                              | Application of 2000V.AC between V-block and terminals for 1 minute, there shall be no abnormalities like destruction of insulator.  |                                    |      |      |      |      |      |        |

■ Dimensions in mm(not to scale)



■ Mounting clamp



Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

### ■ Standard Products

| W.V.<br>(V) | Cap.<br>(±20%)<br>(µF) | Case size |        | Specification                                  |                            | Terminal<br>Pitch<br>(mm) | Part No.       | ():Mounting Clamp |     |   |
|-------------|------------------------|-----------|--------|--|----------------------------|---------------------------|----------------|-------------------|-----|---|
|             |                        | Dia.      | Length | Ripple<br>current<br>(120Hz)<br>(+85°C)<br>(A) | D.F.<br>(120Hz)<br>(+20°C) |                           |                | No                | Yes |   |
|             |                        | (mm)      | (mm)   |  |                            |                           |                |                   |     |   |
| 450         | 2700                   | 64        | 110    | 12.4   | 0.2                        | 28.6                      | EEGTA2W272G( ) | N                 | F   |   |
|             | 3300                   | 64        | 125    | 14.8   | 0.2                        | 28.6                      | EEGTA2W332G( ) | N                 | F   |   |
|             | 3900                   | 64        | 148    | 17.1   | 0.2                        | 28.6                      | EEGTA2W392G( ) | N                 | F   |   |
|             | 4700                   | 64        | 168    | 20.2   | 0.2                        | 28.6                      | EEGTA2W472G( ) | N                 | F   |   |
|             |                        |           | 77     | 125  | 19.2                       | 0.2                       | 31.8           | EEGTA2W472H( )    | N   | F |
|             | 5600                   | 64        | 192    | 23.5   | 0.2                        | 28.6                      | EEGTA2W562G( ) | N                 | F   |   |
|             |                        |           | 77     | 150  | 22.2                       | 0.2                       | 31.8           | EEGTA2W562H( )    | N   | F |
|             | 6800                   | 64        | 224    | 28.0   | 0.2                        | 28.6                      | EEGTA2W682G( ) | N                 | F   |   |
|             |                        |           | 77     | 170  | 26.1                       | 0.2                       | 31.8           | EEGTA2W682H( )    | N   | F |
|             |                        |           | 90     | 125  | 24.0                       | 0.2                       | 31.8           | EEGTA2W682J( )    | N   | F |
|             | 8200                   | 77        | 192    | 30.5   | 0.2                        | 31.8                      | EEGTA2W822H( ) | N                 | F   |   |
|             |                        |           | 90     | 150  | 26.4                       | 0.2                       | 31.8           | EEGTA2W822J( )    | N   | F |
|             | 10000                  | 77        | 224    | 36.0   | 0.2                        | 31.8                      | EEGTA2W103H( ) | N                 | F   |   |
|             |                        |           | 90     | 170  | 30.9                       | 0.2                       | 31.8           | EEGTA2W103J( )    | N   | F |
|             | 12000                  | 90        | 224    | 38.7   | 0.2                        | 31.8                      | EEGTA2W123J( ) | N                 | F   |   |

Endurance : 85°C 5000h