

Snap-in Type

Series: HA Type : TS

Discontinued

Country of Origin
 Japan
 Malaysia
 U.S.A (***)

- Features Endurance: 105°C 2000 h
 Length 20 mm
 RoHS directive compliant



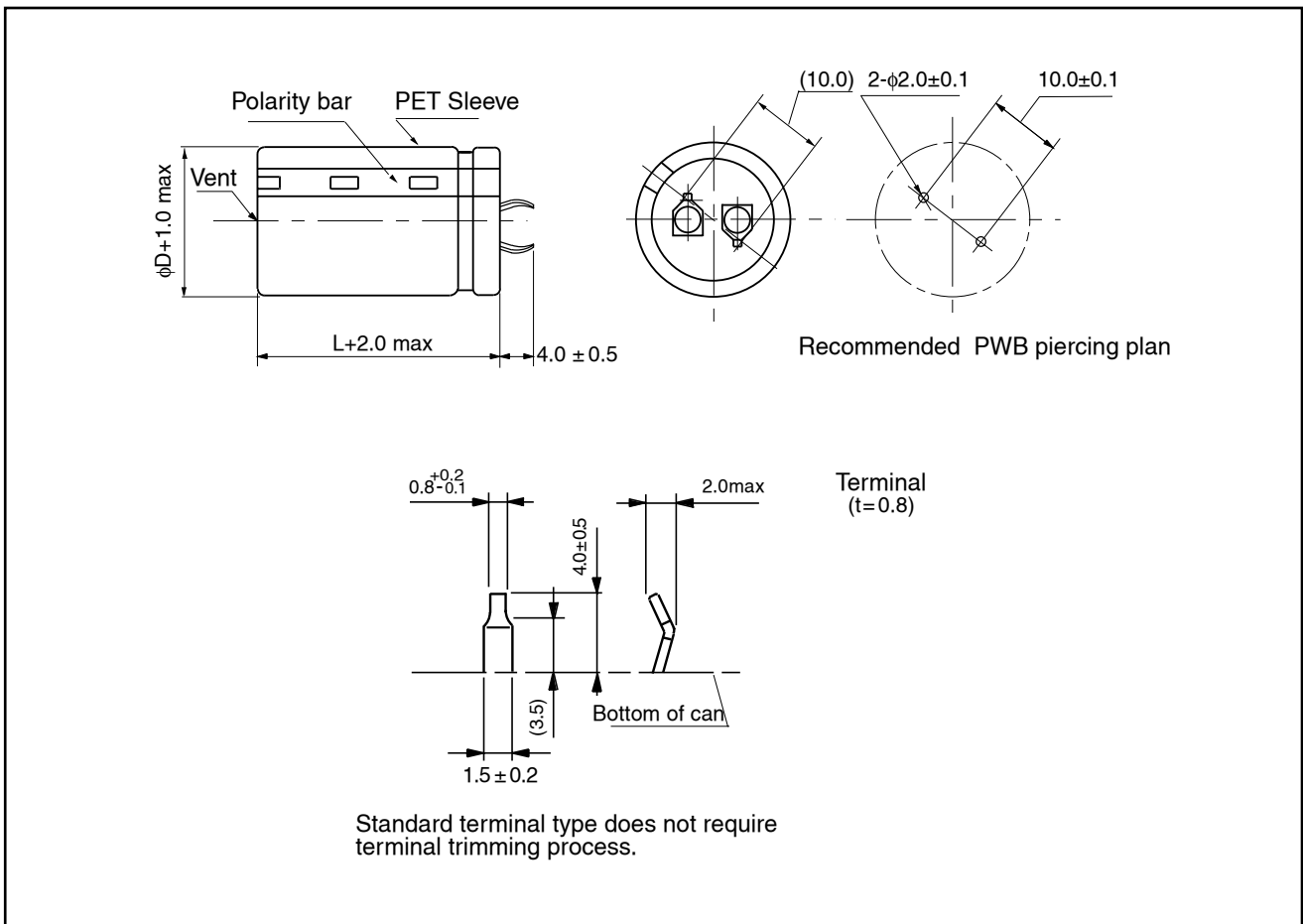
- Recommended Applications
 Smoothing circuits, AC adaptor

(***) Regarding USA product,
 Please check PEDCA's
 Catalog.

■ Specifications

| | | | | | | | | |
|--|--|------------------------------------|------------------|------|------|------|------|--------|
| Category temp. range | -40 to +105°C | -40 to +105°C | -25 to +105°C | | | | | |
| Rated W.V. Range | 10 to 100 V .DC | 160 to 250 V .DC | 315 to 400 V .DC | | | | | |
| Nominal Cap. Range | 330 to 68000 μ F | 68 to 470 μ F | 33 to 120 μ F | | | | | |
| Capacitance Tolerance | ±20 % (120Hz/+20°C) | | | | | | | |
| DC Leakage Current | 3√CV (μA) max. after 5 minutes application of rated working voltage at +20°C. C:Capacitance(μF) V: W.V. (V.DC) | | | | | | | |
| tan δ | Please see the attached standard products list | | | | | | | |
| Frequency Correction Factor for Ripple Current | Frequency (Hz) | 50 | 60 | 100 | 120 | 500 | 1k | 10k to |
| | 10 to 100V | 0.93 | 0.95 | 0.99 | 1.00 | 1.05 | 1.08 | 1.15 |
| | 160 to 400V | 0.75 | 0.80 | 0.95 | 1.00 | 1.20 | 1.25 | 1.40 |
| Endurance | After 2000 hours application of DC voltage with specified ripple current (≦ rated DC working voltage) at +105°C, the capacitor shall meet the following limits. | | | | | | | |
| | Capacitance change | ±20 % of initial measured value | | | | | | |
| | tan δ | ≦ 200 % of initial specified value | | | | | | |
| | DC leakage current | ≦ initial specified value | | | | | | |
| Shelf Life | After storage for 1000 hours at +105±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment) | | | | | | | |

■ Dimensions in mm (not to scale)



■ Standard Products Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|--------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 10 | 10000 | 22 | 25 | 1.8 | 0.55 | ECEC1AA103BJ | 200 |
| | 12000 | 22 | 30 | 2.2 | 0.55 | ECEC1AA123BJ | 200 |
| | 15000 | 22 | 35 | 2.3 | 0.55 | ECEC1AA153BJ | 200 |
| | | 25 | 25 | 2.3 | 0.55 | ECEC1AA153CJ | 200 |
| | 18000 | 22 | 40 | 2.4 | 0.55 | ECEC1AA183BJ | 200 |
| | | 25 | 30 | 2.4 | 0.55 | ECEC1AA183CJ | 200 |
| | 22000 | 22 | 45 | 2.6 | 0.55 | ECEC1AA223BJ | 200 |
| | | 25 | 35 | 2.6 | 0.55 | ECEC1AA223CJ | 200 |
| | | 30 | 25 | 2.6 | 0.55 | ECEC1AA223DJ | 200 |
| | 27000 | 22 | 50 | 3.1 | 0.55 | ECEC1AA273BJ | 200 |
| | | 25 | 40 | 3.1 | 0.55 | ECEC1AA273CJ | 200 |
| | | 30 | 30 | 3.1 | 0.55 | ECEC1AA273DJ | 200 |
| | | 35 | 25 | 3.1 | 0.55 | ECEC1AA273EJ | 200 |
| | 33000 | 25 | 45 | 3.4 | 0.55 | ECEC1AA333CJ | 200 |
| | | 30 | 35 | 3.4 | 0.55 | ECEC1AA333DJ | 100 |
| | | 35 | 30 | 3.4 | 0.55 | ECEC1AA333EJ | 200 |
| | 39000 | 25 | 50 | 3.7 | 0.61 | ECEC1AA393CJ | 200 |
| | | 30 | 40 | 3.7 | 0.61 | ECEC1AA393DJ | 100 |
| | | 35 | 30 | 3.7 | 0.61 | ECEC1AA393EJ | 200 |
| | 47000 | 30 | 45 | 4.2 | 0.69 | ECEC1AA473DJ | 100 |
| 35 | | 35 | 4.2 | 0.69 | ECEC1AA473EJ | 100 | |
| 56000 | 30 | 50 | 5.0 | 0.78 | ECEC1AA563DJ | 100 | |
| | 35 | 40 | 5.0 | 0.78 | ECEC1AA563EJ | 100 | |
| 68000 | 35 | 50 | 5.5 | 0.90 | ECEC1AA683EJ | 100 | |
| 16 | 6800 | 22 | 25 | 2.2 | 0.45 | ECEC1CA682BJ | 200 |
| | 8200 | 22 | 30 | 2.4 | 0.45 | ECEC1CA822BJ | 200 |
| | 10000 | 22 | 30 | 2.6 | 0.45 | ECEC1CA103BJ | 200 |
| | | 25 | 25 | 2.6 | 0.45 | ECEC1CA103CJ | 200 |
| | 12000 | 22 | 35 | 2.9 | 0.45 | ECEC1CA123BJ | 200 |
| | | 25 | 30 | 2.9 | 0.45 | ECEC1CA123CJ | 200 |
| | | 30 | 25 | 2.9 | 0.45 | ECEC1CA123DJ | 200 |
| | 15000 | 22 | 40 | 3.2 | 0.45 | ECEC1CA153BJ | 200 |
| | | 25 | 35 | 3.2 | 0.45 | ECEC1CA153CJ | 200 |
| | | 30 | 30 | 3.2 | 0.45 | ECEC1CA153DJ | 200 |
| | 18000 | 22 | 45 | 3.5 | 0.45 | ECEC1CA183BJ | 200 |
| | | 25 | 40 | 3.5 | 0.45 | ECEC1CA183CJ | 200 |
| | | 30 | 30 | 3.5 | 0.45 | ECEC1CA183DJ | 200 |
| | | 35 | 25 | 3.5 | 0.45 | ECEC1CA183EJ | 200 |
| | 22000 | 25 | 45 | 3.8 | 0.45 | ECEC1CA223CJ | 200 |
| | | 30 | 35 | 3.8 | 0.45 | ECEC1CA223DJ | 100 |
| 35 | | 30 | 3.8 | 0.45 | ECEC1CA223EJ | 200 | |
| 27000 | 25 | 50 | 4.2 | 0.45 | ECEC1CA273CJ | 200 | |

Endurance : 105°C 2000 h

Terminal Pitch : 10mm

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

■ Standard Products Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min. Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|--|-----------------------------|---|---------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 16 | 27000 | 30 | 40 | 4.2 | 0.45 | ECEC1CA273DJ | 100 |
| | | 35 | 30 | 4.2 | 0.45 | ECEC1CA273EJ | 200 |
| | 33000 | 30 | 45 | 4.7 | 0.45 | ECEC1CA333DJ | 100 |
| | | 35 | 35 | 4.7 | 0.45 | ECEC1CA333EJ | 100 |
| | 39000 | 30 | 50 | 5.1 | 0.51 | ECEC1CA393DJ | 100 |
| | | 35 | 40 | 5.1 | 0.51 | ECEC1CA393EJ | 100 |
| | 47000 | 35 | 45 | 5.5 | 0.59 | ECEC1CA473EJ | 100 |
| 56000 | 35 | 50 | 6.0 | 0.68 | ECEC1CA563EJ | 100 | |
| 25 | 4700 | 22 | 25 | 2.0 | 0.35 | ECEC1EA472BJ | 200 |
| | 5600 | 22 | 30 | 2.2 | 0.35 | ECEC1EA562BJ | 200 |
| | 6800 | 22 | 30 | 2.4 | 0.35 | ECEC1EA682BJ | 200 |
| | | 25 | 25 | 2.4 | 0.35 | ECEC1EA682CJ | 200 |
| | 8200 | 22 | 35 | 2.7 | 0.35 | ECEC1EA822BJ | 200 |
| | | 25 | 30 | 2.7 | 0.35 | ECEC1EA822CJ | 200 |
| | | 30 | 25 | 2.7 | 0.35 | ECEC1EA822DJ | 200 |
| | 10000 | 22 | 40 | 3.0 | 0.35 | ECEC1EA103BJ | 200 |
| | | 25 | 35 | 3.0 | 0.35 | ECEC1EA103CJ | 200 |
| | | 30 | 30 | 3.0 | 0.35 | ECEC1EA103DJ | 200 |
| | 12000 | 22 | 45 | 3.2 | 0.35 | ECEC1EA123BJ | 200 |
| | | 25 | 40 | 3.2 | 0.35 | ECEC1EA123CJ | 200 |
| | | 30 | 30 | 3.2 | 0.35 | ECEC1EA123DJ | 200 |
| | | 35 | 25 | 3.2 | 0.35 | ECEC1EA123EJ | 200 |
| | 15000 | 25 | 45 | 3.6 | 0.35 | ECEC1EA153CJ | 200 |
| | | 30 | 35 | 3.6 | 0.35 | ECEC1EA153DJ | 100 |
| | | 35 | 30 | 3.6 | 0.35 | ECEC1EA153EJ | 200 |
| | 18000 | 25 | 50 | 3.9 | 0.35 | ECEC1EA183CJ | 200 |
| | | 30 | 40 | 3.9 | 0.35 | ECEC1EA183DJ | 100 |
| | | 35 | 35 | 3.9 | 0.35 | ECEC1EA183EJ | 100 |
| 22000 | 30 | 45 | 4.3 | 0.35 | ECEC1EA223DJ | 100 | |
| | 35 | 35 | 4.3 | 0.35 | ECEC1EA223EJ | 100 | |
| 27000 | 35 | 45 | 4.8 | 0.35 | ECEC1EA273EJ | 100 | |
| 33000 | 35 | 50 | 5.5 | 0.35 | ECEC1EA333EJ | 100 | |
| 35 | 3300 | 22 | 25 | 1.9 | 0.30 | ECEC1VA332BJ | 200 |
| | 3900 | 22 | 30 | 2.0 | 0.30 | ECEC1VA392BJ | 200 |
| | 4700 | 22 | 35 | 2.2 | 0.30 | ECEC1VA472BJ | 200 |
| | | 25 | 25 | 2.2 | 0.30 | ECEC1VA472CJ | 200 |
| | 5600 | 22 | 35 | 2.4 | 0.30 | ECEC1VA562BJ | 200 |
| | | 25 | 30 | 2.4 | 0.30 | ECEC1VA562CJ | 200 |
| | | 30 | 25 | 2.4 | 0.30 | ECEC1VA562DJ | 200 |
| | 6800 | 22 | 40 | 2.6 | 0.30 | ECEC1VA682BJ | 200 |
| | | 25 | 35 | 2.6 | 0.30 | ECEC1VA682CJ | 200 |
| 30 | | 30 | 2.6 | 0.30 | ECEC1VA682DJ | 200 | |

Endurance : 105°C 2000h

Terminal Pitch : 10mm

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

■ Standard Products

Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min.Packaging Q'ty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 35 | 8200 | 22 | 50 | 2.9 | 0.30 | ECEC1VA822BJ | 200 |
| | | 25 | 40 | 2.9 | 0.30 | ECEC1VA822CJ | 200 |
| | | 30 | 30 | 2.9 | 0.30 | ECEC1VA822DJ | 200 |
| | | 35 | 25 | 2.9 | 0.30 | ECEC1VA822EJ | 200 |
| | 10000 | 25 | 45 | 3.2 | 0.30 | ECEC1VA103CJ | 200 |
| | | 30 | 35 | 3.2 | 0.30 | ECEC1VA103DJ | 100 |
| | | 35 | 30 | 3.2 | 0.30 | ECEC1VA103EJ | 200 |
| | 12000 | 25 | 50 | 3.5 | 0.30 | ECEC1VA123CJ | 200 |
| | | 30 | 40 | 3.5 | 0.30 | ECEC1VA123DJ | 100 |
| | | 35 | 30 | 3.5 | 0.30 | ECEC1VA123EJ | 200 |
| | 15000 | 30 | 45 | 3.9 | 0.30 | ECEC1VA153DJ | 100 |
| | | 35 | 35 | 3.9 | 0.30 | ECEC1VA153EJ | 100 |
| | 18000 | 35 | 40 | 4.3 | 0.30 | ECEC1VA183EJ | 100 |
| | 22000 | 35 | 50 | 5.0 | 0.30 | ECEC1VA223EJ | 100 |
| 50 | 1800 | 22 | 25 | 1.5 | 0.25 | ECEC1HA182BJ | 200 |
| | 2200 | 22 | 30 | 1.7 | 0.25 | ECEC1HA222BJ | 200 |
| | 2700 | 22 | 30 | 1.8 | 0.25 | ECEC1HA272BJ | 200 |
| | | 25 | 25 | 1.8 | 0.25 | ECEC1HA272CJ | 200 |
| | 3300 | 22 | 35 | 2.0 | 0.25 | ECEC1HA332BJ | 200 |
| | | 25 | 30 | 2.0 | 0.25 | ECEC1HA332CJ | 200 |
| | 3900 | 22 | 40 | 2.2 | 0.25 | ECEC1HA392BJ | 200 |
| | | 25 | 35 | 2.2 | 0.25 | ECEC1HA392CJ | 200 |
| | | 30 | 25 | 2.2 | 0.25 | ECEC1HA392DJ | 200 |
| | 4700 | 22 | 45 | 2.5 | 0.25 | ECEC1HA472BJ | 200 |
| | | 25 | 40 | 2.5 | 0.25 | ECEC1HA472CJ | 200 |
| | | 30 | 30 | 2.5 | 0.25 | ECEC1HA472DJ | 200 |
| | | 35 | 25 | 2.5 | 0.25 | ECEC1HA472EJ | 200 |
| | 5600 | 22 | 50 | 2.8 | 0.25 | ECEC1HA562BJ | 200 |
| | | 25 | 40 | 2.8 | 0.25 | ECEC1HA562CJ | 200 |
| | | 30 | 35 | 2.8 | 0.25 | ECEC1HA562DJ | 100 |
| | | 35 | 30 | 2.8 | 0.25 | ECEC1HA562EJ | 200 |
| | 6800 | 25 | 50 | 3.3 | 0.25 | ECEC1HA682CJ | 200 |
| | | 30 | 40 | 3.3 | 0.25 | ECEC1HA682DJ | 100 |
| | | 35 | 30 | 3.3 | 0.25 | ECEC1HA682EJ | 200 |
| | 8200 | 30 | 45 | 3.6 | 0.25 | ECEC1HA822DJ | 100 |
| | | 35 | 35 | 3.6 | 0.25 | ECEC1HA822EJ | 100 |
| | 10000 | 30 | 50 | 4.0 | 0.25 | ECEC1HA103DJ | 100 |
| | | 35 | 40 | 4.0 | 0.25 | ECEC1HA103EJ | 100 |
| 12000 | 35 | 45 | 4.5 | 0.25 | ECEC1HA123EJ | 100 | |
| 15000 | 35 | 50 | 4.8 | 0.25 | ECEC1HA153EJ | 100 | |
| 63 | 1200 | 22 | 25 | 1.4 | 0.20 | ECEC1JA122BJ | 200 |
| | 1500 | 22 | 30 | 1.5 | 0.20 | ECEC1JA152BJ | 200 |

Endurance : 105°C 2000h

Terminal Pitch : 10m

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

■ Standard Products

Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|--------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 63 | 1800 | 22 | 30 | 1.7 | 0.20 | ECEC1JA182BJ | 200 |
| | | 25 | 25 | 1.7 | 0.20 | ECEC1JA182CJ | 200 |
| | 2200 | 22 | 35 | 2.0 | 0.20 | ECEC1JA222BJ | 200 |
| | | 25 | 30 | 2.0 | 0.20 | ECEC1JA222CJ | 200 |
| | 2700 | 22 | 40 | 2.2 | 0.20 | ECEC1JA272BJ | 200 |
| | | 25 | 35 | 2.2 | 0.20 | ECEC1JA272CJ | 200 |
| | | 30 | 25 | 2.2 | 0.20 | ECEC1JA272DJ | 200 |
| | 3300 | 22 | 50 | 2.5 | 0.20 | ECEC1JA332BJ | 200 |
| | | 25 | 40 | 2.5 | 0.20 | ECEC1JA332CJ | 200 |
| | | 30 | 30 | 2.5 | 0.20 | ECEC1JA332DJ | 200 |
| | | 35 | 25 | 2.5 | 0.20 | ECEC1JA332EJ | 200 |
| | 3900 | 25 | 45 | 2.7 | 0.20 | ECEC1JA392CJ | 200 |
| | | 30 | 35 | 2.7 | 0.20 | ECEC1JA392DJ | 100 |
| | | 35 | 30 | 2.7 | 0.20 | ECEC1JA392EJ | 200 |
| | 4700 | 25 | 50 | 3.0 | 0.20 | ECEC1JA472CJ | 200 |
| | | 30 | 40 | 3.0 | 0.20 | ECEC1JA472DJ | 100 |
| | | 35 | 30 | 3.0 | 0.20 | ECEC1JA472EJ | 200 |
| | 5600 | 30 | 45 | 3.3 | 0.20 | ECEC1JA562DJ | 100 |
| | | 35 | 35 | 3.3 | 0.20 | ECEC1JA562EJ | 100 |
| | 6800 | 30 | 50 | 3.6 | 0.20 | ECEC1JA682DJ | 100 |
| 35 | | 40 | 3.6 | 0.20 | ECEC1JA682EJ | 100 | |
| 8200 | 35 | 45 | 3.9 | 0.20 | ECEC1JA822EJ | 100 | |
| 10000 | 35 | 50 | 4.4 | 0.20 | ECEC1JA103EJ | 100 | |
| 80 | 820 | 22 | 25 | 1.2 | 0.17 | ECEC1KA821BJ | 200 |
| | 1000 | 22 | 30 | 1.3 | 0.17 | ECEC1KA102BJ | 200 |
| | | 25 | 25 | 1.3 | 0.17 | ECEC1KA102CJ | 200 |
| | 1200 | 22 | 30 | 1.5 | 0.17 | ECEC1KA122BJ | 200 |
| | | 25 | 25 | 1.5 | 0.17 | ECEC1KA122CJ | 200 |
| | 1500 | 22 | 35 | 1.7 | 0.17 | ECEC1KA152BJ | 200 |
| | | 25 | 30 | 1.7 | 0.17 | ECEC1KA152CJ | 200 |
| | 1800 | 22 | 40 | 1.8 | 0.17 | ECEC1KA182BJ | 200 |
| | | 25 | 35 | 1.8 | 0.17 | ECEC1KA182CJ | 200 |
| | | 30 | 25 | 1.8 | 0.17 | ECEC1KA182DJ | 200 |
| | 2200 | 22 | 45 | 2.1 | 0.17 | ECEC1KA222BJ | 200 |
| | | 25 | 35 | 2.1 | 0.17 | ECEC1KA222CJ | 200 |
| | | 30 | 30 | 2.1 | 0.17 | ECEC1KA222DJ | 200 |
| | | 35 | 25 | 2.1 | 0.17 | ECEC1KA222EJ | 200 |
| | 2700 | 25 | 45 | 2.4 | 0.17 | ECEC1KA272CJ | 200 |
| | | 30 | 35 | 2.4 | 0.17 | ECEC1KA272DJ | 100 |
| | | 35 | 30 | 2.4 | 0.17 | ECEC1KA272EJ | 200 |
| | 3300 | 25 | 50 | 2.6 | 0.17 | ECEC1KA332CJ | 200 |
| 30 | | 40 | 2.6 | 0.17 | ECEC1KA332DJ | 100 | |

Endurance : 105°C 2000h

Terminal Pitch : 10mm

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

■ Standard Products Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min. Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|--|-----------------------------|---|---------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 80 | 3300 | 35 | 30 | 2.6 | 0.17 | ECEC1KA332EJ | 200 |
| | 3900 | 30 | 45 | 3.0 | 0.17 | ECEC1KA392DJ | 100 |
| | | 35 | 35 | 3.0 | 0.17 | ECEC1KA392EJ | 100 |
| | 4700 | 30 | 50 | 3.3 | 0.17 | ECEC1KA472DJ | 100 |
| | | 35 | 40 | 3.3 | 0.17 | ECEC1KA472EJ | 100 |
| | 5600 | 35 | 45 | 3.7 | 0.17 | ECEC1KA562EJ | 100 |
| | 6800 | 35 | 50 | 3.9 | 0.17 | ECEC1KA682EJ | 100 |
| 100 | 560 | 22 | 25 | 1.1 | 0.15 | ECEC2AA561BJ | 200 |
| | 820 | 22 | 30 | 1.4 | 0.15 | ECEC2AA821BJ | 200 |
| | | 25 | 25 | 1.4 | 0.15 | ECEC2AA821CJ | 200 |
| | 1000 | 22 | 35 | 1.7 | 0.15 | ECEC2AA102BJ | 200 |
| | | 25 | 30 | 1.7 | 0.15 | ECEC2AA102CJ | 200 |
| | 1200 | 22 | 40 | 1.8 | 0.15 | ECEC2AA122BJ | 200 |
| | | 25 | 35 | 1.8 | 0.15 | ECEC2AA122CJ | 200 |
| | | 30 | 25 | 1.8 | 0.15 | ECEC2AA122DJ | 200 |
| | 1500 | 22 | 45 | 2.1 | 0.15 | ECEC2AA152BJ | 200 |
| | | 25 | 40 | 2.1 | 0.15 | ECEC2AA152CJ | 200 |
| | | 30 | 30 | 2.1 | 0.15 | ECEC2AA152DJ | 200 |
| | | 35 | 25 | 2.1 | 0.15 | ECEC2AA152EJ | 200 |
| | 1800 | 25 | 45 | 2.3 | 0.15 | ECEC2AA182CJ | 200 |
| | | 30 | 35 | 2.3 | 0.15 | ECEC2AA182DJ | 100 |
| | | 35 | 30 | 2.3 | 0.15 | ECEC2AA182EJ | 200 |
| | 2200 | 25 | 50 | 2.6 | 0.15 | ECEC2AA222CJ | 200 |
| | | 30 | 40 | 2.6 | 0.15 | ECEC2AA222DJ | 100 |
| | | 35 | 30 | 2.6 | 0.15 | ECEC2AA222EJ | 200 |
| | 2700 | 30 | 45 | 2.9 | 0.15 | ECEC2AA272DJ | 100 |
| | | 35 | 35 | 2.9 | 0.15 | ECEC2AA272EJ | 100 |
| | 3300 | 30 | 50 | 3.2 | 0.15 | ECEC2AA332DJ | 100 |
| | | 35 | 40 | 3.2 | 0.15 | ECEC2AA332EJ | 100 |
| | 3900 | 35 | 45 | 3.6 | 0.15 | ECEC2AA392EJ | 100 |
| 4700 | 35 | 50 | 3.8 | 0.15 | ECEC2AA472EJ | 100 | |

Endurance : 105°C 2000h

Terminal Pitch : 10mm

When capacitors of φ35x45L and φ35x50L are mounted on PWB, reinforce them with mounting clamp or adhesives.(Avoid using adhesives including halogenated compositions.)

■ Standard Products (L: 20mm)

Discontinued

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | Min.Packaging Q'ty (pcs) |
|-------------|------------------------|--------------|----------------|--|-----------------------------|---|---------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+105°C) (A) | tan δ (120Hz) (+20°C) | | |
| 16 | 3300 | 22 | 20 | 1.30 | 0.45 | ECEC1CA332BJ | 200 |
| | 4700 | 25 | 20 | 1.60 | 0.45 | ECEC1CA472CJ | 200 |
| | 6800 | 30 | 20 | 1.80 | 0.45 | ECEC1CA682DJ | 200 |
| | 10000 | 35 | 20 | 2.40 | 0.45 | ECEC1CA103EJ | 200 |
| 25 | 2200 | 22 | 20 | 1.30 | 0.35 | ECEC1EA222BJ | 200 |
| | 3300 | 25 | 20 | 1.60 | 0.35 | ECEC1EA332CJ | 200 |
| | 4700 | 30 | 20 | 1.80 | 0.35 | ECEC1EA472DJ | 200 |
| 35 | 6800 | 35 | 20 | 2.30 | 0.35 | ECEC1EA682EJ | 200 |
| | 1500 | 22 | 20 | 1.10 | 0.30 | ECEC1VA152BJ | 200 |
| | 2200 | 25 | 20 | 1.40 | 0.30 | ECEC1VA222CJ | 200 |
| 50 | 3300 | 30 | 20 | 1.70 | 0.30 | ECEC1VA332DJ | 200 |
| | 4700 | 35 | 20 | 2.00 | 0.30 | ECEC1VA472EJ | 200 |
| | 1000 | 22 | 20 | 0.90 | 0.25 | ECEC1HA102BJ | 200 |
| 63 | 1500 | 25 | 20 | 1.20 | 0.25 | ECEC1HA152CJ | 200 |
| | 2200 | 30 | 20 | 1.40 | 0.25 | ECEC1HA222DJ | 200 |
| | 3300 | 35 | 20 | 1.70 | 0.25 | ECEC1HA332EJ | 200 |
| | 680 | 22 | 20 | 0.90 | 0.20 | ECEC1JA681BJ | 200 |
| 80 | 1000 | 25 | 20 | 1.20 | 0.20 | ECEC1JA102CJ | 200 |
| | 1500 | 30 | 20 | 1.30 | 0.20 | ECEC1JA152DJ | 200 |
| | 2200 | 35 | 20 | 1.50 | 0.20 | ECEC1JA222EJ | 200 |
| | 470 | 22 | 20 | 0.80 | 0.17 | ECEC1KA471BJ | 200 |
| 100 | 680 | 25 | 20 | 1.00 | 0.17 | ECEC1KA681CJ | 200 |
| | 1000 | 30 | 20 | 1.20 | 0.17 | ECEC1KA102DJ | 200 |
| | 1500 | 35 | 20 | 1.40 | 0.17 | ECEC1KA152EJ | 200 |
| | 330 | 22 | 20 | 0.80 | 0.15 | ECEC2AA331BJ | 200 |
| 160 | 470 | 25 | 20 | 1.00 | 0.15 | ECEC2AA471CJ | 200 |
| | 680 | 30 | 20 | 1.10 | 0.15 | ECEC2AA681DJ | 200 |
| | 1000 | 35 | 20 | 1.20 | 0.15 | ECEC2AA102EJ | 200 |
| | 150 | 22 | 20 | 0.55 | 0.15 | ECEC2CA151BJ | 200 |
| 180 | 220 | 25 | 20 | 0.75 | 0.15 | ECEC2CA221CJ | 200 |
| | 330 | 30 | 20 | 1.00 | 0.15 | ECEC2CA331DJ | 200 |
| | 470 | 35 | 20 | 1.15 | 0.15 | ECEC2CA471EJ | 200 |
| | 120 | 22 | 20 | 0.50 | 0.15 | ECEC2PA121BJ | 200 |
| 200 | 180 | 25 | 20 | 0.70 | 0.15 | ECEC2PA181CJ | 200 |
| | 270 | 30 | 20 | 0.87 | 0.15 | ECEC2PA271DJ | 200 |
| | 390 | 35 | 20 | 1.00 | 0.15 | ECEC2PA391EJ | 200 |
| 250 | 100 | 22 | 20 | 0.50 | 0.15 | ECEC2DA101BJ | 200 |
| | 150 | 25 | 20 | 0.65 | 0.15 | ECEC2DA151CJ | 200 |
| | 220 | 30 | 20 | 0.87 | 0.15 | ECEC2DA221DJ | 200 |
| | 330 | 35 | 20 | 1.10 | 0.15 | ECEC2DA331EJ | 200 |
| 400 | 68 | 22 | 20 | 0.40 | 0.15 | ECEC2EA680BJ | 200 |
| | 100 | 25 | 20 | 0.50 | 0.15 | ECEC2EA101CJ | 200 |
| | 150 | 30 | 20 | 0.65 | 0.15 | ECEC2EA151DJ | 200 |
| | 220 | 35 | 20 | 0.67 | 0.15 | ECEC2EA221EJ | 200 |
| 400 | 33 | 22 | 20 | 0.20 | 0.15 | ECEC2GA330BJ | 200 |
| | 47 | 25 | 20 | 0.25 | 0.15 | ECEC2GA470CJ | 200 |
| | 68 | 30 | 20 | 0.35 | 0.15 | ECEC2GA680DJ | 200 |
| | 100 | 35 | 20 | 0.47 | 0.15 | ECEC2GA101EJ | 200 |

Endurance : 105°C 2000h

Terminal Pitch : 10mm

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

Mar.2006