

Snap-in Type

Series: UP Type : TS

Country of Origin

Japan
Malaysia
U.S.A (***)



- Features Endurance: 85°C 2000 h
Dia. $\phi 20$ mm
Length 20 mm

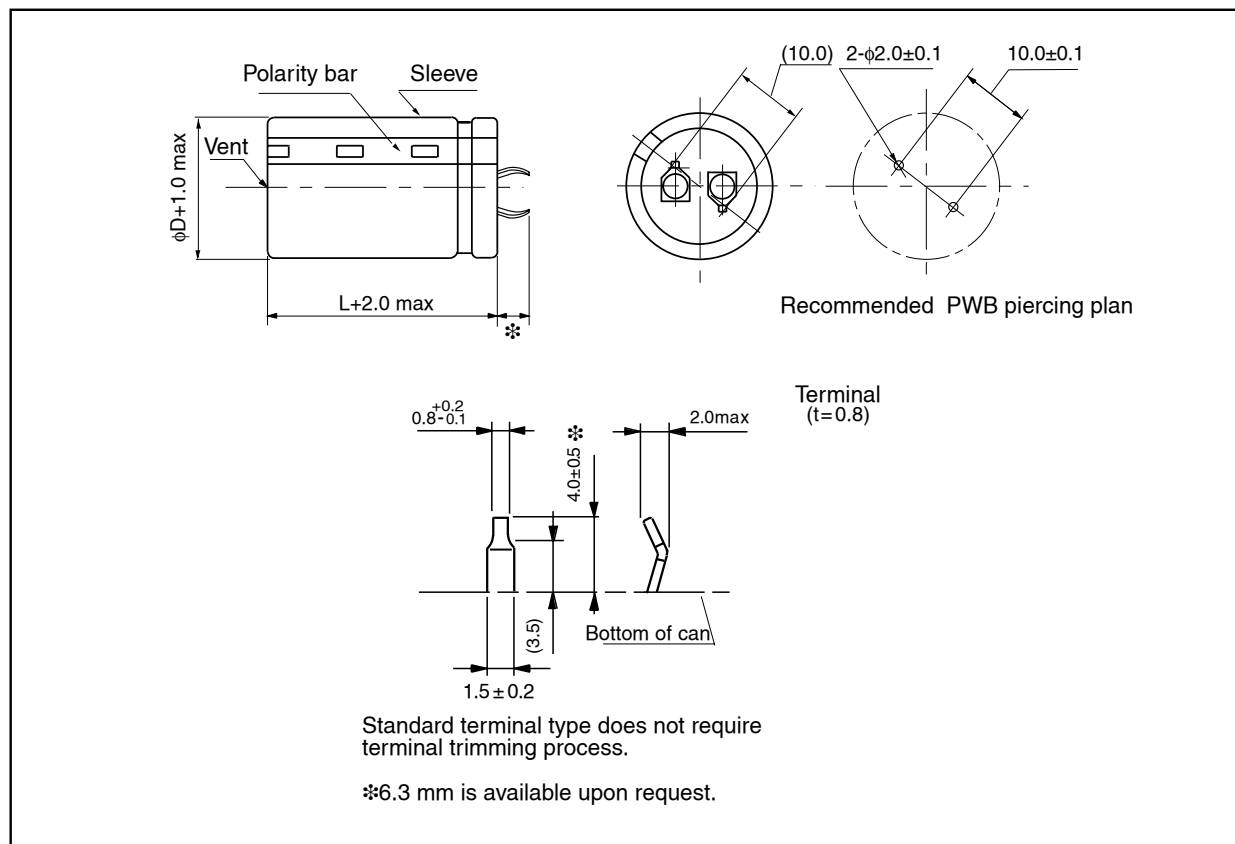
- Recommended Applications
Smoothing circuits, AC adaptor,

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

Specifications

| | | |
|---|--|--|
| Category temp. range | -40 to +85°C | -25 to +85°C |
| Rated W.V. Range | 16 to 250 V .DC | 315 to 450 V .DC |
| Nominal Cap. Range | 120 to 68000 μ F | 33 to 820 μ F |
| Capacitance Tolerance | ± 20 % (120Hz/+20°C) | |
| DC Leakage Current | $3\sqrt{CV}$ (μ A) max. after 5 minutes application of rated working voltage at +20°C. C: Capacitance(μ F) V: W.V. (V.DC) | |
| tan δ | Please see the attached standard products list | |
| Frequency Correction Factor for Ripple Current | Frequency (Hz) | |
| | Correction Factor | 50 60 100 120 500 1k 10k to |
| | 16 to 100V | 0.93 0.95 0.99 1.00 1.05 1.08 1.15 |
| | 160 to 450V | 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 (\leq rated DC working voltage) at +85°C, the capacitor shall meet the following limits. | |
| | Capacitance change | ± 20 % of initial measured value |
| | tan δ | ≤ 200 % of initial specified value |
| Shelf Life | After storage for 1000 hours 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) | |
| | DC leakage current | \leq initial specified value |

Dimensions in mm (not to scale)



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■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQ'ty (pcs) |
|-------------|------------------------|--------------|----------------|--|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 16 | 10000 | 22 | 30 | 3.78 | 0.50 | ECEC1CP103BB | ECEC1CP103BJ | 200 |
| | | 25 | 25 | 3.78 | 0.50 | ECEC1CP103CB | ECEC1CP103CJ | 200 |
| | 12000 | 22 | 30 | 4.52 | 0.50 | ECEC1CP123BB | ECEC1CP123BJ | 200 |
| | | 25 | 25 | 4.52 | 0.50 | ECEC1CP123CB | ECEC1CP123CJ | 200 |
| | 15000 | 22 | 35 | 5.26 | 0.50 | ECEC1CP153BB | ECEC1CP153BJ | 200 |
| | | 25 | 30 | 5.26 | 0.50 | ECEC1CP153CB | ECEC1CP153CJ | 200 |
| | 18000 | 22 | 40 | 5.57 | 0.50 | ECEC1CP183BB | ECEC1CP183BJ | 200 |
| | | 25 | 30 | 5.57 | 0.50 | ECEC1CP183CB | ECEC1CP183CJ | 200 |
| | 22000 | 22 | 45 | 6.10 | 0.50 | ECEC1CP223BB | ECEC1CP223BJ | 200 |
| | | | 35 | 6.10 | 0.50 | ECEC1CP223CB | ECEC1CP223CJ | 200 |
| | | | 30 | 6.10 | 0.50 | ECEC1CP223DB | ECEC1CP223DJ | 200 |
| | 27000 | 25 | 45 | 6.31 | 0.50 | ECEC1CP273CB | ECEC1CP273CJ | 200 |
| | | 30 | 35 | 6.31 | 0.50 | ECEC1CP273DB | ECEC1CP273DJ | 100 |
| | 33000 | 25 | 50 | 6.84 | 0.50 | ECEC1CP333CB | ECEC1CP333CJ | 200 |
| | | | 40 | 6.84 | 0.50 | ECEC1CP333DB | ECEC1CP333DJ | 100 |
| | | | 30 | 6.84 | 0.50 | ECEC1CP333EB | ECEC1CP333EJ | 200 |
| | 39000 | 30 | 45 | 6.94 | 0.56 | ECEC1CP393DB | ECEC1CP393DJ | 100 |
| | | | 35 | 6.94 | 0.56 | ECEC1CP393EB | ECEC1CP393EJ | 100 |
| | 47000 | 30 | 50 | 7.47 | 0.64 | ECEC1CP473DB | ECEC1CP473DJ | 100 |
| | | | 35 | 7.47 | 0.64 | ECEC1CP473EB | ECEC1CP473EJ | 100 |
| 56000 | 35 | 45 | 8.73 | 0.73 | ECEC1CP563EB | ECEC1CP563EJ | 100 | |
| 68000 | 35 | 50 | 9.05 | 0.85 | ECEC1CP683EB | ECEC1CP683EJ | 100 | |
| 25 | 6800 | 22 | 30 | 3.47 | 0.40 | ECEC1EP682BB | ECEC1EP682BJ | 200 |
| | | 25 | 25 | 3.47 | 0.40 | ECEC1EP682CB | ECEC1EP682CJ | 200 |
| | 8200 | 22 | 30 | 3.57 | 0.40 | ECEC1EP822BB | ECEC1EP822BJ | 200 |
| | | 25 | 25 | 3.57 | 0.40 | ECEC1EP822CB | ECEC1EP822CJ | 200 |
| | 10000 | 22 | 35 | 3.78 | 0.40 | ECEC1EP103BB | ECEC1EP103BJ | 200 |
| | | | 30 | 3.78 | 0.40 | ECEC1EP103CB | ECEC1EP103CJ | 200 |
| | | | 25 | 3.78 | 0.40 | ECEC1EP103DB | ECEC1EP103DJ | 200 |
| | 12000 | 22 | 40 | 4.10 | 0.40 | ECEC1EP123BB | ECEC1EP123BJ | 200 |
| | | | 35 | 4.10 | 0.40 | ECEC1EP123CB | ECEC1EP123CJ | 200 |
| | | | 30 | 4.10 | 0.40 | ECEC1EP123DB | ECEC1EP123DJ | 200 |
| | 15000 | 22 | 50 | 4.63 | 0.40 | ECEC1EP153BB | ECEC1EP153BJ | 200 |
| | | | 40 | 4.63 | 0.40 | ECEC1EP153CB | ECEC1EP153CJ | 200 |
| | | | 30 | 4.63 | 0.40 | ECEC1EP153DB | ECEC1EP153DJ | 200 |
| | 18000 | 25 | 45 | 5.47 | 0.40 | ECEC1EP183CB | ECEC1EP183CJ | 200 |
| | | | 35 | 5.47 | 0.40 | ECEC1EP183DB | ECEC1EP183DJ | 100 |
| | 22000 | 25 | 50 | 6.10 | 0.40 | ECEC1EP223CB | ECEC1EP223CJ | 200 |
| | | | 40 | 6.10 | 0.40 | ECEC1EP223DB | ECEC1EP223DJ | 100 |
| | 27000 | 30 | 45 | 6.21 | 0.40 | ECEC1EP273DB | ECEC1EP273DJ | 100 |
| | | | 35 | 6.21 | 0.40 | ECEC1EP273EB | ECEC1EP273EJ | 100 |
| | 33000 | 30 | 50 | 6.84 | 0.40 | ECEC1EP333DB | ECEC1EP333DJ | 100 |

Endurance : 85°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.)

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■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 25 | 33000 | 35 | 40 | 6.84 | 0.40 | ECEC1EP333EB | ECEC1EP333EJ | 100 |
| | 39000 | 35 | 45 | 7.36 | 0.46 | ECEC1EP393EB | ECEC1EP393EJ | 100 |
| | 47000 | 35 | 50 | 8.00 | 0.54 | ECEC1EP473EB | ECEC1EP473EJ | 100 |
| 35 | 4700 | 22 | 30 | 3.26 | 0.35 | ECEC1VP472BB | ECEC1VP472BJ | 200 |
| | | 25 | 25 | 3.26 | 0.35 | ECEC1VP472CB | ECEC1VP472CJ | 200 |
| | 5600 | 22 | 30 | 3.36 | 0.35 | ECEC1VP562BB | ECEC1VP562BJ | 200 |
| | | 25 | 25 | 3.36 | 0.35 | ECEC1VP562CB | ECEC1VP562CJ | 200 |
| | 6800 | 22 | 35 | 3.68 | 0.35 | ECEC1VP682BB | ECEC1VP682BJ | 200 |
| | | 25 | 30 | 3.68 | 0.35 | ECEC1VP682CB | ECEC1VP682CJ | 200 |
| | 8200 | 22 | 40 | 4.00 | 0.35 | ECEC1VP822BB | ECEC1VP822BJ | 200 |
| | | 25 | 35 | 4.00 | 0.35 | ECEC1VP822CB | ECEC1VP822CJ | 200 |
| | 10000 | 22 | 45 | 4.42 | 0.35 | ECEC1VP103BB | ECEC1VP103BJ | 200 |
| | | | 40 | 4.42 | 0.35 | ECEC1VP103CB | ECEC1VP103CJ | 200 |
| | | 30 | 30 | 4.42 | 0.35 | ECEC1VP103DB | ECEC1VP103DJ | 200 |
| | | 35 | 25 | 4.42 | 0.35 | ECEC1VP103EB | ECEC1VP103EJ | 200 |
| | 12000 | 25 | 45 | 5.05 | 0.35 | ECEC1VP123CB | ECEC1VP123CJ | 200 |
| | | 30 | 35 | 5.05 | 0.35 | ECEC1VP123DB | ECEC1VP123DJ | 100 |
| | | 35 | 30 | 5.05 | 0.35 | ECEC1VP123EB | ECEC1VP123EJ | 200 |
| | 15000 | 25 | 50 | 5.57 | 0.35 | ECEC1VP153CB | ECEC1VP153CJ | 200 |
| | | | 40 | 5.57 | 0.35 | ECEC1VP153DB | ECEC1VP153DJ | 100 |
| | | 35 | 30 | 5.57 | 0.35 | ECEC1VP153EB | ECEC1VP153EJ | 200 |
| | 18000 | 30 | 45 | 5.68 | 0.35 | ECEC1VP183DB | ECEC1VP183DJ | 100 |
| | | 35 | 35 | 5.68 | 0.35 | ECEC1VP183EB | ECEC1VP183EJ | 100 |
| | 22000 | 30 | 50 | 6.10 | 0.35 | ECEC1VP223DB | ECEC1VP223DJ | 100 |
| | | 35 | 40 | 6.10 | 0.35 | ECEC1VP223EB | ECEC1VP223EJ | 100 |
| | 27000 | 35 | 45 | 6.84 | 0.35 | ECEC1VP273EB | ECEC1VP273EJ | 100 |
| | 33000 | 35 | 50 | 7.15 | 0.35 | ECEC1VP333EB | ECEC1VP333EJ | 100 |
| 50 | 3300 | 22 | 30 | 2.73 | 0.30 | ECEC1HP332BB | ECEC1HP332BJ | 200 |
| | | 25 | 25 | 2.73 | 0.30 | ECEC1HP332CB | ECEC1HP332CJ | 200 |
| | 3900 | 22 | 30 | 2.75 | 0.30 | ECEC1HP392BB | ECEC1HP392BJ | 200 |
| | | 25 | 25 | 2.75 | 0.30 | ECEC1HP392CB | ECEC1HP392CJ | 200 |
| | 4700 | 22 | 35 | 3.03 | 0.30 | ECEC1HP472BB | ECEC1HP472BJ | 200 |
| | | 25 | 30 | 3.03 | 0.30 | ECEC1HP472CB | ECEC1HP472CJ | 200 |
| | | 30 | 25 | 3.03 | 0.30 | ECEC1HP472DB | ECEC1HP472DJ | 200 |
| | 5600 | 22 | 40 | 3.42 | 0.30 | ECEC1HP562BB | ECEC1HP562BJ | 200 |
| | | 25 | 35 | 3.42 | 0.30 | ECEC1HP562CB | ECEC1HP562CJ | 200 |
| | | 30 | 30 | 3.42 | 0.30 | ECEC1HP562DB | ECEC1HP562DJ | 200 |
| | 6800 | 22 | 50 | 3.85 | 0.30 | ECEC1HP682BB | ECEC1HP682BJ | 200 |
| | | 25 | 40 | 3.85 | 0.30 | ECEC1HP682CB | ECEC1HP682CJ | 200 |
| | | 30 | 30 | 3.85 | 0.30 | ECEC1HP682DB | ECEC1HP682DJ | 200 |
| | 8200 | 25 | 45 | 4.41 | 0.30 | ECEC1HP822CB | ECEC1HP822CJ | 200 |
| | | 30 | 35 | 4.41 | 0.30 | ECEC1HP822DB | ECEC1HP822DJ | 100 |

Endurance : 85°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.)

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■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|---------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 50 | 10000 | 25 | 50 | 4.97 | 0.30 | ECEC1HP103CB | ECEC1HP103CJ | 200 |
| | | 30 | 40 | 4.97 | 0.30 | ECEC1HP103DB | ECEC1HP103DJ | 100 |
| | | 35 | 30 | 4.97 | 0.30 | ECEC1HP103EB | ECEC1HP103EJ | 200 |
| | 12000 | 30 | 45 | 5.58 | 0.30 | ECEC1HP123DB | ECEC1HP123DJ | 100 |
| | | 35 | 35 | 5.58 | 0.30 | ECEC1HP123EB | ECEC1HP123EJ | 100 |
| | 15000 | 30 | 50 | 6.44 | 0.30 | ECEC1HP153DB | ECEC1HP153DJ | 100 |
| | | 35 | 40 | 6.44 | 0.30 | ECEC1HP153EB | ECEC1HP153EJ | 100 |
| 18000 | 35 | 45 | 6.94 | 0.30 | ECEC1HP183EB | ECEC1HP183EJ | 100 | |
| 22000 | 35 | 50 | 7.57 | 0.30 | ECEC1HP223EB | ECEC1HP223EJ | 100 | |
| 63 | 2200 | 22 | 30 | 2.52 | 0.25 | ECEC1JP222BB | ECEC1JP222BJ | 200 |
| | | 25 | 25 | 2.52 | 0.25 | ECEC1JP222CB | ECEC1JP222CJ | 200 |
| | 2700 | 22 | 35 | 3.73 | 0.25 | ECEC1JP272BB | ECEC1JP272BJ | 200 |
| | | 25 | 30 | 3.73 | 0.25 | ECEC1JP272CB | ECEC1JP272CJ | 200 |
| | 3300 | 22 | 40 | 4.10 | 0.25 | ECEC1JP332BB | ECEC1JP332BJ | 200 |
| | | 25 | 30 | 4.10 | 0.25 | ECEC1JP332CB | ECEC1JP332CJ | 200 |
| | | 30 | 25 | 4.10 | 0.25 | ECEC1JP332DB | ECEC1JP332DJ | 200 |
| | 3900 | 22 | 45 | 4.44 | 0.25 | ECEC1JP392BB | ECEC1JP392BJ | 200 |
| | | 25 | 35 | 4.44 | 0.25 | ECEC1JP392CB | ECEC1JP392CJ | 200 |
| | | 30 | 30 | 4.44 | 0.25 | ECEC1JP392DB | ECEC1JP392DJ | 200 |
| | 4700 | 22 | 50 | 4.86 | 0.25 | ECEC1JP472BB | ECEC1JP472BJ | 200 |
| | | 25 | 40 | 4.86 | 0.25 | ECEC1JP472CB | ECEC1JP472CJ | 200 |
| | | 30 | 30 | 4.86 | 0.25 | ECEC1JP472DB | ECEC1JP472DJ | 200 |
| | | 35 | 25 | 4.86 | 0.25 | ECEC1JP472EB | ECEC1JP472EJ | 200 |
| | 5600 | 25 | 45 | 5.36 | 0.25 | ECEC1JP562CB | ECEC1JP562CJ | 200 |
| | | 30 | 35 | 5.36 | 0.25 | ECEC1JP562DB | ECEC1JP562DJ | 100 |
| | | 35 | 30 | 5.36 | 0.25 | ECEC1JP562EB | ECEC1JP562EJ | 200 |
| | 6800 | 25 | 50 | 5.84 | 0.25 | ECEC1JP682CB | ECEC1JP682CJ | 200 |
| | | 30 | 40 | 5.84 | 0.25 | ECEC1JP682DB | ECEC1JP682DJ | 100 |
| | | 35 | 30 | 5.84 | 0.25 | ECEC1JP682EB | ECEC1JP682EJ | 200 |
| 8200 | 30 | 45 | 6.00 | 0.25 | ECEC1JP822DB | ECEC1JP822DJ | 100 | |
| | 35 | 35 | 6.00 | 0.25 | ECEC1JP822EB | ECEC1JP822EJ | 100 | |
| 10000 | 35 | 40 | 6.52 | 0.25 | ECEC1JP103EB | ECEC1JP103EJ | 100 | |
| 12000 | 35 | 50 | 7.15 | 0.25 | ECEC1JP123EB | ECEC1JP123EJ | 100 | |
| 80 | 1500 | 22 | 30 | 2.26 | 0.20 | ECEC1KP152BB | ECEC1KP152BJ | 200 |
| | | 25 | 25 | 2.26 | 0.20 | ECEC1KP152CB | ECEC1KP152CJ | 200 |
| | 1800 | 22 | 35 | 2.52 | 0.20 | ECEC1KP182BB | ECEC1KP182BJ | 200 |
| | | 25 | 30 | 2.52 | 0.20 | ECEC1KP182CB | ECEC1KP182CJ | 200 |
| | 2200 | 22 | 40 | 2.73 | 0.20 | ECEC1KP222BB | ECEC1KP222BJ | 200 |
| | | 25 | 30 | 2.73 | 0.20 | ECEC1KP222CB | ECEC1KP222CJ | 200 |
| | | 30 | 25 | 2.73 | 0.20 | ECEC1KP222DB | ECEC1KP222DJ | 200 |
| 2700 | 22 | 45 | 2.78 | 0.20 | ECEC1KP272BB | ECEC1KP272BJ | 200 | |
| | 25 | 35 | 2.78 | 0.20 | ECEC1KP272CB | ECEC1KP272CJ | 200 | |

Endurance : 85°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.)

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■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|---------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 80 | 2700 | 30 | 30 | 2.78 | 0.20 | ECEC1KP272DB | ECEC1KP272DJ | 200 |
| | 3300 | 22 | 50 | 3.21 | 0.20 | ECEC1KP332BB | ECEC1KP332BJ | 200 |
| | | 25 | 40 | 3.21 | 0.20 | ECEC1KP332CB | ECEC1KP332CJ | 200 |
| | | 30 | 30 | 3.21 | 0.20 | ECEC1KP332DB | ECEC1KP332DJ | 200 |
| | 3900 | 25 | 45 | 3.59 | 0.20 | ECEC1KP392CB | ECEC1KP392CJ | 200 |
| | | 30 | 35 | 3.59 | 0.20 | ECEC1KP392DB | ECEC1KP392DJ | 100 |
| | 4700 | 25 | 50 | 4.09 | 0.20 | ECEC1KP472CB | ECEC1KP472CJ | 200 |
| | | 30 | 40 | 4.09 | 0.20 | ECEC1KP472DB | ECEC1KP472DJ | 100 |
| | 5600 | 30 | 45 | 4.55 | 0.20 | ECEC1KP562DB | ECEC1KP562DJ | 100 |
| | | 35 | 35 | 4.55 | 0.20 | ECEC1KP562EB | ECEC1KP562EJ | 100 |
| | 6800 | 30 | 50 | 5.16 | 0.20 | ECEC1KP682DB | ECEC1KP682DJ | 100 |
| | | 35 | 40 | 5.16 | 0.20 | ECEC1KP682EB | ECEC1KP682EJ | 100 |
| 8200 | 35 | 50 | 5.83 | 0.20 | ECEC1KP822EB | ECEC1KP822EJ | 100 | |
| 100 | 1000 | 22 | 30 | 1.96 | 0.20 | ECEC2AP102BB | ECEC2AP102BJ | 200 |
| | | 25 | 25 | 1.96 | 0.20 | ECEC2AP102CB | ECEC2AP102CJ | 200 |
| | 1200 | 22 | 35 | 2.31 | 0.20 | ECEC2AP122BB | ECEC2AP122BJ | 200 |
| | | 25 | 30 | 2.31 | 0.20 | ECEC2AP122CB | ECEC2AP122CJ | 200 |
| | 1500 | 22 | 40 | 2.57 | 0.20 | ECEC2AP152BB | ECEC2AP152BJ | 200 |
| | | 25 | 30 | 2.57 | 0.20 | ECEC2AP152CB | ECEC2AP152CJ | 200 |
| | | 30 | 25 | 2.57 | 0.20 | ECEC2AP152DB | ECEC2AP152DJ | 200 |
| | 1800 | 22 | 45 | 2.84 | 0.20 | ECEC2AP182BB | ECEC2AP182BJ | 200 |
| | | 25 | 35 | 2.84 | 0.20 | ECEC2AP182CB | ECEC2AP182CJ | 200 |
| | | 30 | 30 | 2.84 | 0.20 | ECEC2AP182DB | ECEC2AP182DJ | 200 |
| | 2200 | 22 | 50 | 3.14 | 0.20 | ECEC2AP222BB | ECEC2AP222BJ | 200 |
| | | 25 | 40 | 3.14 | 0.20 | ECEC2AP222CB | ECEC2AP222CJ | 200 |
| | | 30 | 30 | 3.14 | 0.20 | ECEC2AP222DB | ECEC2AP222DJ | 200 |
| | 2700 | 25 | 45 | 3.71 | 0.20 | ECEC2AP272CB | ECEC2AP272CJ | 200 |
| | | 30 | 35 | 3.71 | 0.20 | ECEC2AP272DB | ECEC2AP272DJ | 100 |
| | 3300 | 25 | 50 | 4.06 | 0.20 | ECEC2AP332CB | ECEC2AP332CJ | 200 |
| | | 30 | 40 | 4.06 | 0.20 | ECEC2AP332DB | ECEC2AP332DJ | 100 |
| | 3900 | 30 | 45 | 4.54 | 0.20 | ECEC2AP392DB | ECEC2AP392DJ | 200 |
| | | 35 | 35 | 4.54 | 0.20 | ECEC2AP392EB | ECEC2AP392EJ | 100 |
| | 4700 | 30 | 50 | 5.13 | 0.20 | ECEC2AP472DB | ECEC2AP472DJ | 100 |
| 35 | | 40 | 5.13 | 0.20 | ECEC2AP472EB | ECEC2AP472EJ | 100 | |
| 5600 | 35 | 45 | 5.75 | 0.20 | ECEC2AP562EB | ECEC2AP562EJ | 100 | |
| 6800 | 35 | 50 | 6.60 | 0.20 | ECEC2AP682EB | ECEC2QP682EJ | 100 | |
| 160 | 330 | 22 | 25 | 1.45 | 0.15 | ECEC2CP331BB | ECEC2CP331BJ | 200 |
| | | 30 | 30 | 1.62 | 0.15 | ECEC2CP391BB | ECEC2CP391BJ | 200 |
| | 390 | 25 | 25 | 1.62 | 0.15 | ECEC2CP391CB | ECEC2CP391CJ | 200 |
| | | 22 | 30 | 2.11 | 0.15 | ECEC2CP471BB | ECEC2CP471BJ | 200 |
| | 470 | 25 | 25 | 2.11 | 0.15 | ECEC2CP471CB | ECEC2CP471CJ | 200 |
| | | 560 | 22 | 35 | 2.25 | 0.15 | ECEC2CP561BB | ECEC2CP561BJ |

Endurance : 85°C 2000h

Terminal Pitch : 10mm

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| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQ'ty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 160 | 560 | 25 | 30 | 2.25 | 0.15 | ECEC2CP561CB | ECEC2CP561CJ | 200 |
| | | 30 | 25 | 2.25 | 0.15 | ECEC2CP561DB | ECEC2CP561DJ | 200 |
| | 680 | 22 | 40 | 2.50 | 0.15 | ECEC2CP681BB | ECEC2CP681BJ | 200 |
| | | 25 | 35 | 2.50 | 0.15 | ECEC2CP681CB | ECEC2CP681CJ | 200 |
| | | 30 | 25 | 2.50 | 0.15 | ECEC2CP681DB | ECEC2CP681DJ | 200 |
| | 820 | 22 | 45 | 2.75 | 0.15 | ECEC2CP821BB | ECEC2CP821BJ | 200 |
| | | 25 | 35 | 2.75 | 0.15 | ECEC2CP821CB | ECEC2CP821CJ | 200 |
| | | 30 | 30 | 2.75 | 0.15 | ECEC2CP821DB | ECEC2CP821DJ | 200 |
| | 1000 | 25 | 45 | 3.00 | 0.15 | ECEC2CP102CB | ECEC2CP102CJ | 200 |
| | | 30 | 35 | 3.00 | 0.15 | ECEC2CP102DB | ECEC2CP102DJ | 100 |
| | | 35 | 30 | 3.00 | 0.15 | ECEC2CP102EB | ECEC2CP102EJ | 200 |
| | 1200 | 25 | 50 | 3.25 | 0.15 | ECEC2CP122CB | ECEC2CP122CJ | 200 |
| | | 30 | 35 | 3.25 | 0.15 | ECEC2CP122DB | ECEC2CP122DJ | 100 |
| | | 35 | 30 | 3.25 | 0.15 | ECEC2CP122EB | ECEC2CP122EJ | 200 |
| | 1500 | 30 | 45 | 3.73 | 0.15 | ECEC2CP152DB | ECEC2CP152DJ | 100 |
| | | 35 | 35 | 3.73 | 0.15 | ECEC2CP152EB | ECEC2CP152EJ | 100 |
| 1800 | 30 | 50 | 4.20 | 0.15 | ECEC2CP182DB | ECEC2CP182DJ | 100 | |
| | 35 | 40 | 4.20 | 0.15 | ECEC2CP182EB | ECEC2CP182EJ | 100 | |
| 2200 | 35 | 45 | 4.78 | 0.15 | ECEC2CP222EB | ECEC2CP222EJ | 100 | |
| 2700 | 35 | 50 | 5.45 | 0.15 | ECEC2CP272EB | ECEC2CP272EJ | 100 | |
| 180 | 330 | 22 | 25 | 1.77 | 0.15 | ECEC2PP331BB | ECEC2PP331BJ | 200 |
| | 390 | 22 | 30 | 1.91 | 0.15 | ECEC2PP391BB | ECEC2PP391BJ | 200 |
| | | 25 | 25 | 1.91 | 0.15 | ECEC2PP391CB | ECEC2PP391CJ | 200 |
| | 470 | 22 | 35 | 2.08 | 0.15 | ECEC2PP471BB | ECEC2PP471BJ | 200 |
| | | 25 | 25 | 2.08 | 0.15 | ECEC2PP471CB | ECEC2PP471CJ | 200 |
| | 560 | 22 | 35 | 2.25 | 0.15 | ECEC2PP561BB | ECEC2PP561BJ | 200 |
| | | 25 | 30 | 2.25 | 0.15 | ECEC2PP561CB | ECEC2PP561CJ | 200 |
| | 680 | 22 | 40 | 2.50 | 0.15 | ECEC2PP681BB | ECEC2PP681BJ | 200 |
| | | 25 | 35 | 2.50 | 0.15 | ECEC2PP681CB | ECEC2PP681CJ | 200 |
| | | 30 | 30 | 2.50 | 0.15 | ECEC2PP681DB | ECEC2PP681DJ | 200 |
| | 820 | 22 | 45 | 2.75 | 0.15 | ECEC2PP821BB | ECEC2PP821BJ | 200 |
| | | 25 | 40 | 2.75 | 0.15 | ECEC2PP821CB | ECEC2PP821CJ | 200 |
| | | 30 | 30 | 2.75 | 0.15 | ECEC2PP821DB | ECEC2PP821DJ | 200 |
| | 1000 | 25 | 45 | 3.00 | 0.15 | ECEC2PP102CB | ECEC2PP102CJ | 200 |
| | | 30 | 35 | 3.00 | 0.15 | ECEC2PP102DB | ECEC2PP102DJ | 100 |
| | 1200 | 25 | 50 | 3.31 | 0.15 | ECEC2PP122CB | ECEC2PP122CJ | 200 |
| 30 | | 40 | 3.31 | 0.15 | ECEC2PP122DB | ECEC2PP122DJ | 100 | |
| 35 | | 35 | 3.31 | 0.15 | ECEC2PP122EB | ECEC2PP122EJ | 100 | |
| 1500 | 30 | 45 | 3.83 | 0.15 | ECEC2PP152DB | ECEC2PP152DJ | 100 | |
| | 35 | 40 | 3.83 | 0.15 | ECEC2PP152EB | ECEC2PP152EJ | 100 | |
| 1800 | 30 | 50 | 4.32 | 0.15 | ECEC2PP182DB | ECEC2PP182DJ | 100 | |
| | 35 | 40 | 4.32 | 0.15 | ECEC2PP182EB | ECEC2PP182EJ | 100 | |

Endurance : 85°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.)

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. July,2005

■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQty (pcs) |
|-------------|------------------------|--------------|----------------|---|------------------|---|---|---------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 180 | 2200 | 35 | 50 | 4.92 | 0.15 | ECEC2PP222EB | ECEC2PP222EJ | 100 |
| | 270 | 22 | 25 | 1.41 | 0.15 | ECEC2DP271BB | ECEC2DP271BJ | 200 |
| | 330 | 22 | 30 | 1.56 | 0.15 | ECEC2DP331BB | ECEC2DP331BJ | 200 |
| | | 25 | 25 | 1.56 | 0.15 | ECEC2DP331CB | ECEC2DP331CJ | 200 |
| | 390 | 22 | 30 | 1.68 | 0.15 | ECEC2DP391BB | ECEC2DP391BJ | 200 |
| | | 25 | 25 | 1.68 | 0.15 | ECEC2DP391CB | ECEC2DP391CJ | 200 |
| | 470 | 22 | 35 | 1.85 | 0.15 | ECEC2DP471BB | ECEC2DP471BJ | 200 |
| | | 25 | 30 | 1.85 | 0.15 | ECEC2DP471CB | ECEC2DP471CJ | 200 |
| | | 30 | 25 | 1.85 | 0.15 | ECEC2DP471DB | ECEC2DP471DJ | 200 |
| | 560 | 22 | 40 | 2.43 | 0.15 | ECEC2DP561BB | ECEC2DP561BJ | 200 |
| | | 25 | 35 | 2.43 | 0.15 | ECEC2DP561CB | ECEC2DP561CJ | 200 |
| | | 30 | 25 | 2.43 | 0.15 | ECEC2DP561DB | ECEC2DP561DJ | 200 |
| | 680 | 22 | 45 | 2.68 | 0.15 | ECEC2DP681BB | ECEC2DP681BJ | 200 |
| | | 25 | 35 | 2.68 | 0.15 | ECEC2DP681CB | ECEC2DP681CJ | 200 |
| | | 30 | 30 | 2.68 | 0.15 | ECEC2DP681DB | ECEC2DP681DJ | 200 |
| | 820 | 25 | 45 | 2.93 | 0.15 | ECEC2DP821CB | ECEC2DP821CJ | 200 |
| | | 30 | 35 | 2.93 | 0.15 | ECEC2DP821DB | ECEC2DP821DJ | 100 |
| | | 35 | 25 | 2.93 | 0.15 | ECEC2DP821EB | ECEC2DP821EJ | 200 |
| | 1000 | 25 | 50 | 3.25 | 0.15 | ECEC2DP102CB | ECEC2DP102CJ | 200 |
| | | 30 | 40 | 3.25 | 0.15 | ECEC2DP102DB | ECEC2DP102DJ | 100 |
| 35 | | 30 | 3.25 | 0.15 | ECEC2DP102EB | ECEC2DP102EJ | 200 | |
| 1200 | 30 | 45 | 3.50 | 0.15 | ECEC2DP122DB | ECEC2DP122DJ | 100 | |
| | 35 | 35 | 3.50 | 0.15 | ECEC2DP122EB | ECEC2DP122EJ | 100 | |
| 1500 | 30 | 50 | 3.87 | 0.15 | ECEC2DP152DB | ECEC2DP152DJ | 100 | |
| | 35 | 40 | 3.87 | 0.15 | ECEC2DP152EB | ECEC2DP152EJ | 100 | |
| 1800 | 35 | 45 | 4.32 | 0.15 | ECEC2DP182EB | ECEC2DP182EJ | 100 | |
| 2200 | 35 | 50 | 4.92 | 0.15 | ECEC2DP222EB | ECEC2DP222EJ | 100 | |
| 250 | 180 | 22 | 25 | 1.07 | 0.15 | ECEC2EP181BB | ECEC2EP181BJ | 200 |
| | 220 | 22 | 30 | 1.17 | 0.15 | ECEC2EP221BB | ECEC2EP221BJ | 200 |
| | | 25 | 25 | 1.17 | 0.15 | ECEC2EP221CB | ECEC2EP221CJ | 200 |
| | 270 | 22 | 30 | 1.31 | 0.15 | ECEC2EP271BB | ECEC2EP271BJ | 200 |
| | | 25 | 25 | 1.31 | 0.15 | ECEC2EP271CB | ECEC2EP271CJ | 200 |
| | 330 | 22 | 35 | 1.75 | 0.15 | ECEC2EP331BB | ECEC2EP331BJ | 200 |
| | | 25 | 30 | 1.75 | 0.15 | ECEC2EP331CB | ECEC2EP331CJ | 200 |
| | | 30 | 25 | 1.75 | 0.15 | ECEC2EP331DB | ECEC2EP331DJ | 200 |
| | 390 | 22 | 40 | 1.91 | 0.15 | ECEC2EP391BB | ECEC2EP391BJ | 200 |
| | | 25 | 35 | 1.91 | 0.15 | ECEC2EP391CB | ECEC2EP391CJ | 200 |
| | | 30 | 25 | 1.91 | 0.15 | ECEC2EP391DB | ECEC2EP391DJ | 200 |
| | 470 | 22 | 45 | 2.11 | 0.15 | ECEC2EP471BB | ECEC2EP471BJ | 200 |
| | | 25 | 40 | 2.11 | 0.15 | ECEC2EP471CB | ECEC2EP471CJ | 200 |
| | | 30 | 30 | 2.11 | 0.15 | ECEC2EP471DB | ECEC2EP471DJ | 200 |
| | 560 | 25 | 45 | 2.25 | 0.15 | ECEC2EP561CB | ECEC2EP561CJ | 200 |

Endurance : 85°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.)

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. July,2005

■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 250 | 560 | 30 | 35 | 2.25 | 0.15 | ECEC2EP561DB | ECEC2EP561DJ | 100 |
| | | 35 | 25 | 2.25 | 0.15 | ECEC2EP561EB | ECEC2EP561EJ | 200 |
| | 680 | 25 | 50 | 2.50 | 0.15 | ECEC2EP681CB | ECEC2EP681CJ | 200 |
| | | 30 | 40 | 2.50 | 0.15 | ECEC2EP681DB | ECEC2EP681DJ | 100 |
| | | 35 | 30 | 2.50 | 0.15 | ECEC2EP681EB | ECEC2EP681EJ | 200 |
| | 820 | 30 | 45 | 2.77 | 0.15 | ECEC2EP821DB | ECEC2EP821DJ | 100 |
| | | 35 | 35 | 2.77 | 0.15 | ECEC2EP821EB | ECEC2EP821EJ | 100 |
| | 1000 | 30 | 50 | 3.32 | 0.15 | ECEC2EP102DB | ECEC2EP102DJ | 100 |
| | | 35 | 40 | 3.32 | 0.15 | ECEC2EP102EB | ECEC2EP102EJ | 100 |
| | 1200 | 35 | 45 | 3.53 | 0.15 | ECEC2EP122EB | ECEC2EP122EJ | 100 |
| 1500 | 35 | 50 | 4.04 | 0.15 | ECEC2EP152EB | ECEC2EP152EJ | 100 | |
| 315 | 100 | 22 | 25 | 0.92 | 0.15 | ECEC2FP101BB | ECEC2FP101BJ | 200 |
| | | 22 | 30 | 1.01 | 0.15 | ECEC2FP121BB | ECEC2FP121BJ | 200 |
| | 120 | 25 | 25 | 1.01 | 0.15 | ECEC2FP121CB | ECEC2FP121CJ | 200 |
| | | 22 | 30 | 1.11 | 0.15 | ECEC2FP151BB | ECEC2FP151BJ | 200 |
| | 150 | 25 | 25 | 1.11 | 0.15 | ECEC2FP151CB | ECEC2FP151CJ | 200 |
| | | 180 | 22 | 35 | 1.21 | 0.15 | ECEC2FP181BB | ECEC2FP181BJ |
| | 25 | | 30 | 1.21 | 0.15 | ECEC2FP181CB | ECEC2FP181CJ | 200 |
| | 30 | | 25 | 1.21 | 0.15 | ECEC2FP181DB | ECEC2FP181DJ | 200 |
| | 220 | 22 | 40 | 1.41 | 0.15 | ECEC2FP221BB | ECEC2FP221BJ | 200 |
| | | 25 | 35 | 1.41 | 0.15 | ECEC2FP221CB | ECEC2FP221CJ | 200 |
| | | 30 | 25 | 1.41 | 0.15 | ECEC2FP221DB | ECEC2FP221DJ | 200 |
| | 270 | 22 | 45 | 1.60 | 0.15 | ECEC2FP271BB | ECEC2FP271BJ | 200 |
| | | 25 | 40 | 1.60 | 0.15 | ECEC2FP271CB | ECEC2FP271CJ | 200 |
| | | 30 | 30 | 1.60 | 0.15 | ECEC2FP271DB | ECEC2FP271DJ | 200 |
| | 330 | 25 | 45 | 1.82 | 0.15 | ECEC2FP331CB | ECEC2FP331CJ | 200 |
| | | 30 | 35 | 1.82 | 0.15 | ECEC2FP331DB | ECEC2FP331DJ | 100 |
| | | 35 | 25 | 1.82 | 0.15 | ECEC2FP331EB | ECEC2FP331EJ | 200 |
| | 390 | 25 | 50 | 2.01 | 0.15 | ECEC2FP391CB | ECEC2FP391CJ | 200 |
| | | 30 | 35 | 2.01 | 0.15 | ECEC2FP391DB | ECEC2FP391DJ | 100 |
| | | 35 | 30 | 2.01 | 0.15 | ECEC2FP391EB | ECEC2FP391EJ | 200 |
| | 470 | 30 | 40 | 2.27 | 0.15 | ECEC2FP471DB | ECEC2FP471DJ | 100 |
| | | 35 | 35 | 2.27 | 0.15 | ECEC2FP471EB | ECEC2FP471EJ | 100 |
| | 560 | 30 | 45 | 2.56 | 0.15 | ECEC2FP561DB | ECEC2FP561DJ | 100 |
| | | 35 | 35 | 2.56 | 0.15 | ECEC2FP561EB | ECEC2FP561EJ | 100 |
| 680 | 35 | 45 | 2.87 | 0.15 | ECEC2FP681EB | ECEC2FP681EJ | 100 | |
| 820 | 35 | 50 | 3.25 | 0.15 | ECEC2FP821EB | ECEC2FP821EJ | 100 | |
| 350 | 82 | 22 | 25 | 0.83 | 0.15 | ECEC2VP820BB | ECEC2VP820BJ | 200 |
| | 100 | 22 | 30 | 0.91 | 0.15 | ECEC2VP101BB | ECEC2VP101BJ | 200 |
| | 120 | 22 | 30 | 1.00 | 0.15 | ECEC2VP121BB | ECEC2VP121BJ | 200 |
| | | 25 | 25 | 1.00 | 0.15 | ECEC2VP121CB | ECEC2VP121CJ | 200 |
| | 150 | 22 | 35 | 1.12 | 0.15 | ECEC2VP151BB | ECEC2VP151BJ | 200 |

Endurance : 85°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.)

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. July,2005

■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 350 | 150 | 25 | 30 | 1.12 | 0.15 | ECEC2VP151CB | ECEC2VP151CB | 200 |
| | | 30 | 25 | 1.12 | 0.15 | ECEC2VP151DB | ECEC2VP151DJ | 200 |
| | 180 | 22 | 40 | 1.22 | 0.15 | ECEC2VP181BB | ECEC2VP181BJ | 200 |
| | | 25 | 35 | 1.22 | 0.15 | ECEC2VP181CB | ECEC2VP181CJ | 200 |
| | | 30 | 25 | 1.22 | 0.15 | ECEC2VP181DB | ECEC2VP181DJ | 200 |
| | 220 | 22 | 45 | 1.44 | 0.15 | ECEC2VP221BB | ECEC2VP221BJ | 200 |
| | | 25 | 40 | 1.44 | 0.15 | ECEC2VP221CB | ECEC2VP221CJ | 200 |
| | | 30 | 30 | 1.44 | 0.15 | ECEC2VP221DB | ECEC2VP221DJ | 200 |
| | | 35 | 25 | 1.44 | 0.15 | ECEC2VP221EB | ECEC2VP221EJ | 200 |
| | 270 | 25 | 45 | 1.66 | 0.15 | ECEC2VP271CB | ECEC2VP271CJ | 200 |
| | | 30 | 35 | 1.66 | 0.15 | ECEC2VP271DB | ECEC2VP271DJ | 100 |
| | | 35 | 30 | 1.66 | 0.15 | ECEC2VP271EB | ECEC2VP271EJ | 200 |
| | 330 | 25 | 50 | 1.88 | 0.15 | ECEC2VP331CB | ECEC2VP331CJ | 200 |
| | | 30 | 40 | 1.88 | 0.15 | ECEC2VP331DB | ECEC2VP331DJ | 100 |
| | | 35 | 30 | 1.88 | 0.15 | ECEC2VP331EB | ECEC2VP331EJ | 200 |
| | 390 | 30 | 45 | 2.06 | 0.15 | ECEC2VP391DB | ECEC2VP391DJ | 100 |
| | | 35 | 35 | 2.06 | 0.15 | ECEC2VP391EB | ECEC2VP391EJ | 100 |
| | 470 | 30 | 50 | 2.40 | 0.15 | ECEC2VP471DB | ECEC2VP471DJ | 100 |
| | | 35 | 40 | 2.40 | 0.15 | ECEC2VP471EB | ECEC2VP471EJ | 100 |
| | 560 | 35 | 45 | 2.60 | 0.15 | ECEC2VP561EB | ECEC2VP561EJ | 100 |
| 680 | 35 | 50 | 2.96 | 0.15 | ECEC2VP681EB | ECEC2VP681EJ | 100 | |
| 400 | 68 | 22 | 25 | 0.76 | 0.15 | ECEC2GP680BB | ECEC2GP680BJ | 200 |
| | 82 | 22 | 25 | 0.83 | 0.15 | ECEC2GP820BB | ECEC2GP820BJ | 200 |
| | 100 | 22 | 30 | 0.92 | 0.15 | ECEC2GP101BB | ECEC2GP101BJ | 200 |
| | | 25 | 25 | 0.92 | 0.15 | ECEC2GP101CB | ECEC2GP101CJ | 200 |
| | 120 | 22 | 35 | 1.02 | 0.15 | ECEC2GP121BB | ECEC2GP121BJ | 200 |
| | | 25 | 30 | 1.02 | 0.15 | ECEC2GP121CB | ECEC2GP121CJ | 200 |
| | 150 | 22 | 40 | 1.16 | 0.15 | ECEC2GP151BB | ECEC2GP151BJ | 200 |
| | | 25 | 30 | 1.16 | 0.15 | ECEC2GP151CB | ECEC2GP151CJ | 200 |
| | | 30 | 25 | 1.16 | 0.15 | ECEC2GP151DB | ECEC2GP151DJ | 200 |
| | 180 | 22 | 45 | 1.44 | 0.15 | ECEC2GP181BB | ECEC2GP181BJ | 200 |
| | | 25 | 35 | 1.44 | 0.15 | ECEC2GP181CB | ECEC2GP181CJ | 200 |
| | | 30 | 30 | 1.44 | 0.15 | ECEC2GP181DB | ECEC2GP181DJ | 200 |
| | 220 | 22 | 50 | 1.49 | 0.15 | ECEC2GP221BB | ECEC2GP221BJ | 200 |
| | | 25 | 40 | 1.49 | 0.15 | ECEC2GP221CB | ECEC2GP221CJ | 200 |
| | | 30 | 30 | 1.49 | 0.15 | ECEC2GP221DB | ECEC2GP221DJ | 200 |
| | 270 | 25 | 45 | 1.67 | 0.15 | ECEC2GP271CB | ECEC2GP271CJ | 200 |
| | | 30 | 35 | 1.67 | 0.15 | ECEC2GP271DB | ECEC2GP271DJ | 100 |
| | | 35 | 30 | 1.67 | 0.15 | ECEC2GP271EB | ECEC2GP271EJ | 200 |
| | 330 | 30 | 40 | 1.90 | 0.15 | ECEC2GP331DB | ECEC2GP331DJ | 100 |
| | | 35 | 35 | 1.90 | 0.15 | ECEC2GP331EB | ECEC2GP331EJ | 100 |
| 390 | 30 | 45 | 2.13 | 0.15 | ECEC2GP391DB | ECEC2GP391DJ | 100 | |

Endurance : 85°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.)

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■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.Packaging Qty (pcs) | |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|-----|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | | |
| 400 | 390 | 35 | 40 | 2.13 | 0.15 | ECEC2GP391EB | ECEC2GP391EJ | 100 | |
| | 470 | 35 | 45 | 2.39 | 0.15 | ECEC2GP471EB | ECEC2GP471EJ | 100 | |
| | 560 | 35 | 50 | 2.69 | 0.15 | ECEC2GP561EB | ECEC2GP561EJ | 100 | |
| 420 | 82 | 22 | 30 | 0.83 | 0.15 | ECEC2SP820BB | ECEC2SP820BJ | 200 | |
| | | 100 | 30 | 0.92 | 0.15 | ECEC2SP101BB | ECEC2SP101BJ | 200 | |
| | 100 | 25 | 25 | 0.92 | 0.15 | ECEC2SP101CB | ECEC2SP101CJ | 200 | |
| | | 120 | 35 | 1.02 | 0.15 | ECEC2SP121BB | ECEC2SP121BJ | 200 | |
| | 120 | 25 | 30 | 1.02 | 0.15 | ECEC2SP121CB | ECEC2SP121CJ | 200 | |
| | | 150 | 22 | 40 | 1.16 | 0.15 | ECEC2SP151BB | ECEC2SP151BJ | 200 |
| | | | 25 | 30 | 1.16 | 0.15 | ECEC2SP151CB | ECEC2SP151CJ | 200 |
| | 30 | | 25 | 1.16 | 0.15 | ECEC2SP151DB | ECEC2SP151DJ | 200 | |
| | 180 | 22 | 45 | 1.44 | 0.15 | ECEC2SP181BB | ECEC2SP181BJ | 200 | |
| | | 25 | 35 | 1.44 | 0.15 | ECEC2SP181CB | ECEC2SP181CJ | 200 | |
| | | 30 | 30 | 1.44 | 0.15 | ECEC2SP181DB | ECEC2SP181DJ | 200 | |
| | 220 | 25 | 45 | 1.49 | 0.15 | ECEC2SP221CB | ECEC2SP221CJ | 200 | |
| | | 30 | 30 | 1.49 | 0.15 | ECEC2SP221DB | ECEC2SP221DJ | 200 | |
| | | 35 | 25 | 1.49 | 0.15 | ECEC2SP221EB | ECEC2SP221EJ | 200 | |
| | 270 | 25 | 50 | 1.67 | 0.15 | ECEC2SP271CB | ECEC2SP271CJ | 200 | |
| | | 30 | 35 | 1.67 | 0.15 | ECEC2SP271DB | ECEC2SP271DJ | 100 | |
| | | 35 | 30 | 1.67 | 0.15 | ECEC2SP271EB | ECEC2SP271EJ | 200 | |
| | 330 | 30 | 45 | 1.90 | 0.15 | ECEC2SP331DB | ECEC2SP331DJ | 100 | |
| | | 35 | 35 | 1.90 | 0.15 | ECEC2SP331EB | ECEC2SP331EJ | 100 | |
| | 390 | 30 | 50 | 2.13 | 0.15 | ECEC2SP391DB | ECEC2SP391DJ | 100 | |
| | | 35 | 40 | 2.13 | 0.15 | ECEC2SP391EB | ECEC2SP391EJ | 100 | |
| | 470 | 35 | 45 | 2.39 | 0.15 | ECEC2SP471EB | ECEC2SP471EJ | 100 | |
| | 560 | 35 | 50 | 2.69 | 0.15 | ECEC2SP561EB | ECEC2SP561EJ | 100 | |
| | 450 | 56 | 22 | 25 | 0.70 | 0.15 | ECEC2WP560BB | ECEC2WP560BJ | 200 |
| 68 | | | 30 | 0.76 | 0.15 | ECEC2WP680BB | ECEC2WP680BJ | 200 | |
| 82 | | 22 | 30 | 0.83 | 0.15 | ECEC2WP820BB | ECEC2WP820BJ | 200 | |
| | | 25 | 25 | 0.83 | 0.15 | ECEC2WP820CB | ECEC2WP820CJ | 200 | |
| 100 | | 22 | 35 | 0.93 | 0.15 | ECEC2WP101BB | ECEC2WP101BJ | 200 | |
| | | 25 | 30 | 0.93 | 0.15 | ECEC2WP101CB | ECEC2WP101CJ | 200 | |
| | | 30 | 25 | 0.93 | 0.15 | ECEC2WP101DB | ECEC2WP101DJ | 200 | |
| 120 | | 22 | 40 | 1.04 | 0.15 | ECEC2WP121BB | ECEC2WP121BJ | 200 | |
| | | 25 | 30 | 1.04 | 0.15 | ECEC2WP121CB | ECEC2WP121CJ | 200 | |
| | | 30 | 25 | 1.04 | 0.15 | ECEC2WP121DB | ECEC2WP121DJ | 200 | |
| 150 | | 22 | 50 | 1.19 | 0.15 | ECEC2WP151BB | ECEC2WP151BJ | 200 | |
| | | 25 | 40 | 1.19 | 0.15 | ECEC2WP151CB | ECEC2WP151CJ | 200 | |
| | | 30 | 30 | 1.19 | 0.15 | ECEC2WP151DB | ECEC2WP151DJ | 200 | |
| 180 | | 25 | 45 | 1.35 | 0.15 | ECEC2WP181CB | ECEC2WP181CJ | 200 | |
| | | 30 | 35 | 1.35 | 0.15 | ECEC2WP181DB | ECEC2WP181DJ | 100 | |
| | | 35 | 25 | 1.35 | 0.15 | ECEC2WP181EB | ECEC2WP181EJ | 200 | |

Endurance : 85°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.)

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. July,2005

■ Standard Products

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQ'ty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|--------------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 450 | 220 | 25 | 50 | 1.55 | 0.15 | ECEC2WP221CB | ECEC2WP221CJ | 200 |
| | | 30 | 40 | 1.55 | 0.15 | ECEC2WP221DB | ECEC2WP221DJ | 100 |
| | | 35 | 30 | 1.55 | 0.15 | ECEC2WP221EB | ECEC2WP221EJ | 200 |
| | 270 | 30 | 45 | 1.78 | 0.15 | ECEC2WP271DB | ECEC2WP271DJ | 100 |
| | | 35 | 35 | 1.78 | 0.15 | ECEC2WP271EB | ECEC2WP271EJ | 100 |
| | 330 | 30 | 50 | 2.01 | 0.15 | ECEC2WP331DB | ECEC2WP331DJ | 100 |
| | | 35 | 40 | 2.01 | 0.15 | ECEC2WP331EB | ECEC2WP331EJ | 100 |
| | 390 | 35 | 45 | 2.24 | 0.15 | ECEC2WP391EB | ECEC2WP391EJ | 100 |
| | 470 | 35 | 50 | 2.53 | 0.15 | ECEC2WP471EB | ECEC2WP471EJ | 100 |

Endurance : 85°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(Dia:20mm)

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.Packaging Qty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 16 | 6800 | 20 | 25 | 3.15 | 0.50 | ECEC1CP682AB | ECEC1CP682AJ | 300 |
| | 8200 | 20 | 30 | 3.47 | 0.50 | ECEC1CP822AB | ECEC1CP822AJ | 300 |
| | 10000 | 20 | 35 | 3.78 | 0.50 | ECEC1CP103AB | ECEC1CP103AJ | 300 |
| | 12000 | 20 | 35 | 4.52 | 0.50 | ECEC1CP123AB | ECEC1CP123AJ | 300 |
| | 15000 | 20 | 40 | 5.26 | 0.50 | ECEC1CP153AB | ECEC1CP153AJ | 300 |
| 25 | 4700 | 20 | 25 | 3.05 | 0.40 | ECEC1EP472AB | ECEC1EP472AJ | 300 |
| | 5600 | 20 | 30 | 3.36 | 0.40 | ECEC1EP562AB | ECEC1EP562AJ | 300 |
| | 6800 | 20 | 35 | 3.47 | 0.40 | ECEC1EP682AB | ECEC1EP682AJ | 300 |
| | 8200 | 20 | 40 | 3.57 | 0.40 | ECEC1EP822AB | ECEC1EP822AJ | 300 |
| 35 | 3300 | 20 | 25 | 2.73 | 0.35 | ECEC1VP332AB | ECEC1VP332AJ | 300 |
| | 3900 | 20 | 30 | 2.94 | 0.35 | ECEC1VP392AB | ECEC1VP392AJ | 300 |
| | 4700 | 20 | 35 | 3.26 | 0.35 | ECEC1VP472AB | ECEC1VP472AJ | 300 |
| | 5600 | 20 | 40 | 3.36 | 0.35 | ECEC1VP562AB | ECEC1VP562AJ | 300 |
| 50 | 2200 | 20 | 25 | 2.26 | 0.30 | ECEC1HP222AB | ECEC1HP222AJ | 300 |
| | 2700 | 20 | 30 | 2.52 | 0.30 | ECEC1HP272AB | ECEC1HP272AJ | 300 |
| | 3300 | 20 | 35 | 2.73 | 0.30 | ECEC1HP332AB | ECEC1HP332AJ | 300 |
| | 3900 | 20 | 40 | 2.75 | 0.30 | ECEC1HP392AB | ECEC1HP392AJ | 300 |
| 63 | 2200 | 20 | 35 | 2.52 | 0.25 | ECEC1JP222AB | ECEC1HP222AJ | 300 |
| | 2700 | 20 | 40 | 3.73 | 0.25 | ECEC1JP272AB | ECEC1JP272AJ | 300 |
| 80 | 1500 | 20 | 35 | 2.26 | 0.20 | ECEC1KP152AB | ECEC1KP152AJ | 300 |
| | 1800 | 20 | 40 | 2.52 | 0.20 | ECEC1KP182AB | ECEC1KP182AJ | 300 |
| 100 | 1000 | 20 | 35 | 1.96 | 0.20 | ECEC2AP102AB | ECEC2AP102AJ | 300 |
| | 1200 | 20 | 40 | 2.31 | 0.20 | ECEC2AP122AB | ECEC2AP122AJ | 300 |
| 160 | 330 | 20 | 30 | 1.45 | 0.15 | ECEC2CP331AB | ECEC2CP331AJ | 300 |
| | 390 | 20 | 35 | 1.62 | 0.15 | ECEC2CP391AB | ECEC2CP391AJ | 300 |
| 180 | 330 | 20 | 30 | 1.77 | 0.15 | ECEC2PP331AB | ECEC2PP331AJ | 300 |
| | 390 | 20 | 35 | 1.91 | 0.15 | ECEC2PP391AB | ECEC2PP391AJ | 300 |
| | 470 | 20 | 40 | 2.08 | 0.15 | ECEC2PP471AB | ECEC2PP471AJ | 300 |
| 200 | 270 | 20 | 30 | 1.41 | 0.15 | ECEC2DP271AB | ECEC2DP271AJ | 300 |
| | 330 | 20 | 35 | 1.56 | 0.15 | ECEC2DP331AB | ECEC2DP331AJ | 300 |
| 250 | 180 | 20 | 30 | 1.07 | 0.15 | ECEC2EP181AB | ECEC2EP181AJ | 300 |
| | 220 | 20 | 35 | 1.17 | 0.15 | ECEC2EP221AB | ECEC2EP221AJ | 300 |
| 315 | 100 | 20 | 30 | 0.92 | 0.15 | ECEC2FP101AB | ECEC2FP101AJ | 300 |
| | 120 | 20 | 40 | 1.01 | 0.15 | ECEC2FP121AB | ECEC2FP121AJ | 300 |
| 350 | 82 | 20 | 30 | 0.83 | 0.15 | ECEC2VP820AB | ECEC2VP820AJ | 300 |
| | 100 | 20 | 35 | 0.91 | 0.15 | ECEC2VP101AB | ECEC2VP101AJ | 300 |
| 400 | 68 | 20 | 30 | 0.76 | 0.15 | ECEC2GP680AB | ECEC2GP680AJ | 300 |
| | 82 | 20 | 30 | 0.83 | 0.15 | ECEC2GP820AB | ECEC2GP820AJ | 300 |
| | 100 | 20 | 35 | 0.92 | 0.15 | ECEC2GP101AB | ECEC2GP101AJ | 300 |
| | 120 | 20 | 40 | 1.02 | 0.15 | ECEC2GP121AB | ECEC2GP121AJ | 300 |
| 450 | 56 | 20 | 30 | 0.70 | 0.15 | ECEC2WP560AB | ECEC2WP560AJ | 300 |
| | 68 | 20 | 35 | 0.76 | 0.15 | ECEC2WP680AB | ECEC2WP680AJ | 300 |
| | 82 | 20 | 35 | 0.83 | 0.15 | ECEC2WP820AB | ECEC2WP820AJ | 300 |

Endurance : 85°C 2000h
Terminal Pitch : 10mm

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■ Standard Products(L:20mm)

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQty (pcs) |
|-------------|------------------------|--------------|----------------|---|-----------------------------|---|---|---------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 16 | 4700 | 22 | 20 | 1.60 | 0.50 | ECEC1CP472BG | ECEC1CP472BJ | 200 |
| | 6800 | 25 | 20 | 1.80 | 0.50 | ECEC1CP682CG | ECEC1CP682CJ | 200 |
| | 10000 | 30 | 20 | 2.40 | 0.50 | ECEC1CP103DG | ECEC1CP103DJ | 200 |
| | 15000 | 35 | 20 | 3.20 | 0.50 | ECEC1CP153EG | ECEC1CP153EJ | 200 |
| 25 | 3300 | 22 | 20 | 1.60 | 0.40 | ECEC1EP332BG | ECEC1EP332BJ | 200 |
| | 4700 | 25 | 20 | 1.80 | 0.40 | ECEC1EP472CG | ECEC1EP472CJ | 200 |
| | 6800 | 30 | 20 | 2.30 | 0.40 | ECEC1EP682DG | ECEC1EP682DJ | 200 |
| | 10000 | 35 | 20 | 2.70 | 0.40 | ECEC1EP103EG | ECEC1EP103EJ | 200 |
| 35 | 2200 | 22 | 20 | 1.40 | 0.35 | ECEC1VP222BG | ECEC1VP222BJ | 200 |
| | 3300 | 25 | 20 | 1.70 | 0.35 | ECEC1VP332CG | ECEC1VP332CJ | 200 |
| | 4700 | 30 | 20 | 2.00 | 0.35 | ECEC1VP472DG | ECEC1VP472DJ | 200 |
| | 6800 | 35 | 20 | 2.40 | 0.35 | ECEC1VP682EG | ECEC1VP682EJ | 200 |
| 50 | 1500 | 22 | 20 | 1.20 | 0.30 | ECEC1HP152BG | ECEC1HP152BJ | 200 |
| | 2200 | 25 | 20 | 1.40 | 0.30 | ECEC1HP222CG | ECEC1HP222CJ | 200 |
| | 3300 | 30 | 20 | 1.70 | 0.30 | ECEC1HP332DG | ECEC1HP332DJ | 200 |
| | 4700 | 35 | 20 | 2.10 | 0.30 | ECEC1HP472EG | ECEC1HP472EJ | 200 |
| 63 | 1000 | 22 | 20 | 1.20 | 0.25 | ECEC1JP102BG | ECEC1JP102BJ | 200 |
| | 1500 | 25 | 20 | 1.30 | 0.25 | ECEC1JP152CG | ECEC1JP152CJ | 200 |
| | 2200 | 30 | 20 | 1.50 | 0.25 | ECEC1JP222DG | ECEC1JP222DJ | 200 |
| | 2700 | 35 | 20 | 1.70 | 0.25 | ECEC1JP272EG | ECEC1JP272EJ | 200 |
| 80 | 680 | 22 | 20 | 1.00 | 0.20 | ECEC1KP681BG | ECEC1KP681BJ | 200 |
| | 1000 | 25 | 20 | 1.20 | 0.20 | ECEC1KP102CG | ECEC1KP102CJ | 200 |
| | 1500 | 30 | 20 | 1.40 | 0.20 | ECEC1KP152DG | ECEC1KP152DJ | 200 |
| | 2200 | 35 | 20 | 1.70 | 0.20 | ECEC1KP222EG | ECEC1KP222EJ | 200 |
| 100 | 470 | 22 | 20 | 1.00 | 0.20 | ECEC2AP471BG | ECEC2AP471BJ | 200 |
| | 680 | 25 | 20 | 1.10 | 0.20 | ECEC2AP681CG | ECEC2AP681CJ | 200 |
| | 1000 | 30 | 20 | 1.20 | 0.20 | ECEC2AP102DG | ECEC2AP102DJ | 200 |
| | 1500 | 35 | 20 | 1.50 | 0.20 | ECEC2AP152EG | ECEC2AP152EJ | 200 |
| 160 | 220 | 22 | 20 | 0.75 | 0.15 | ECEC2CP221BG | ECEC2CP221BJ | 200 |
| | 270 | 25 | 20 | 0.87 | 0.15 | ECEC2CP271CG | ECEC2CP271CJ | 200 |
| | 390 | 30 | 20 | 1.10 | 0.15 | ECEC2CP391DG | ECEC2CP391DJ | 200 |
| | 560 | 35 | 20 | 1.30 | 0.15 | ECEC2CP561EG | ECEC2CP561EJ | 200 |
| 200 | 150 | 22 | 20 | 0.65 | 0.15 | ECEC2DP151BG | ECEC2DP151BJ | 200 |
| | 220 | 25 | 20 | 0.87 | 0.15 | ECEC2DP221CG | ECEC2DP221CJ | 200 |
| | 330 | 30 | 20 | 1.10 | 0.15 | ECEC2DP331DG | ECEC2DP331DJ | 200 |
| | 470 | 35 | 20 | 1.30 | 0.15 | ECEC2DP471EG | ECEC2DP471EJ | 200 |
| 250 | 120 | 22 | 20 | 0.45 | 0.15 | ECEC2EP121BG | ECEC2EP121BJ | 200 |
| | 150 | 25 | 20 | 0.65 | 0.15 | ECEC2EP151CG | ECEC2EP151CJ | 200 |
| | 220 | 30 | 20 | 0.87 | 0.15 | ECEC2EP221DG | ECEC2EP221DJ | 200 |
| | 330 | 35 | 20 | 1.10 | 0.15 | ECEC2EP331EG | ECEC2EP331EJ | 200 |
| 400 | 47 | 22 | 20 | 0.25 | 0.15 | ECEC2GP470BG | ECEC2GP470BJ | 200 |
| | 68 | 25 | 20 | 0.35 | 0.15 | ECEC2GP680CG | ECEC2GP680CJ | 200 |

Endurance : 85°C 2000h
Terminal Pitch : 10mm

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■ Standard Products(L:20mm)

| W.V. (V) | Cap. (±20%) (μF) | Case size | | Specification | | Part No. | Part No. | Min.PackagingQ'ty (pcs) |
|-------------|------------------------|--------------|----------------|--|-----------------------------|---|---|----------------------------|
| | | Dia. (mm) | Length (mm) | Ripple current (120Hz) (+85°C) (A) | tan δ (120Hz) (+20°C) | P.V.C Sleeve Terminal Length 4.0mm (Without P.V.C.plate) | PET sleeve Terminal Length 4.0mm (Without P.V.C.plate) | |
| 400 | 100 | 30 | 20 | 0.47 | 0.15 | ECEC2GP101DG | ECEC2GP101DJ | 200 |
| | 150 | 35 | 20 | 0.60 | 0.15 | ECEC2GP151EG | ECEC2GP151EJ | 200 |
| 450 | 33 | 22 | 20 | 0.20 | 0.15 | ECEC2WP330BG | ECEC2WP330BJ | 200 |
| | 47 | 25 | 20 | 0.29 | 0.15 | ECEC2WP470CG | ECEC2WP470CJ | 200 |
| | 68 | 30 | 20 | 0.38 | 0.15 | ECEC2WP680DG | ECEC2WP680DJ | 200 |
| | 100 | 35 | 20 | 0.52 | 0.15 | ECEC2WP101EG | ECEC2WP101EJ | 200 |

Endurance : 85°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.