Snap-in Type

Series: HB Type : TS

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

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



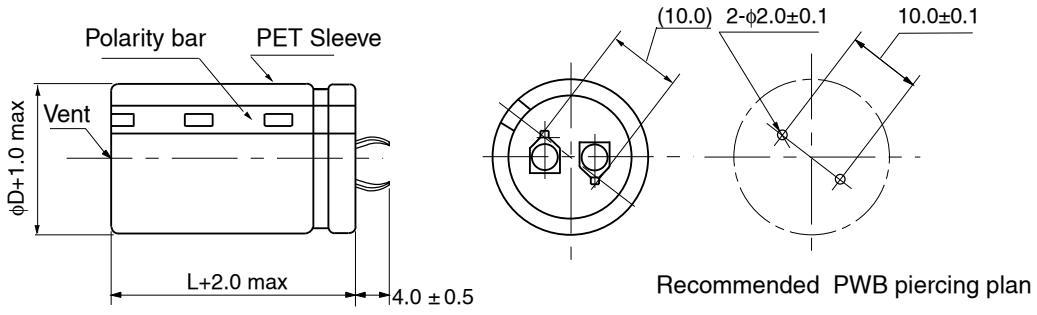
■ Features Endurance: 105°C 2000 h
20 to 25 % smaller than series TS-HA
RoHS directive compliant

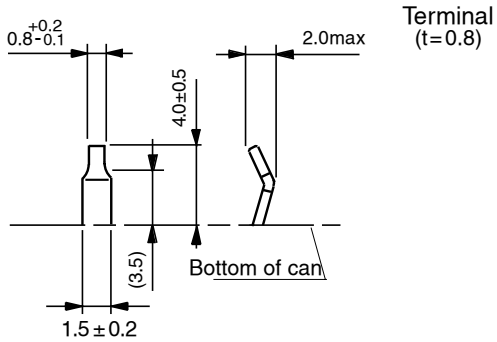
■ Recommended Applications
Smoothing circuits, AC adaptor

■ Specifications

Category temp. range	-40 to + 105°C				-25 to + 105°C			
Rated W.V. Range	160 to 250 V .DC				315 to 450 V .DC			
Nominal Cap. Range	330 to 2700 µ F				82 to 820 µ F			
Capacitance Tolerance	±20 % (120Hz/+20°C)							
DC Leakage Current	$3\sqrt{CV}$ (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
	Correction Factor	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 terminal type does not require terminal trimming process.

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Case size Length (mm)	Specification Ripple current (120Hz) (+105°C) (A)	Specification tan δ (120Hz) (+20°C)	Part No. PET Sleeve Terminal Length 4.0mm (Without P.V.C.plate)	Min.PackagingQ'ty (pcs)
160	470	22	30	1.4	0.15	ECEC2CB471BJ	200
	560	22	35	1.5	0.15	ECEC2CB561BJ	200
	680	22	40	1.7	0.15	ECEC2CB681BJ	200
		25	30	1.7	0.15	ECEC2CB681CJ	200
	820	22	45	2.0	0.15	ECEC2CB821BJ	200
		25	35	2.0	0.15	ECEC2CB821CJ	200
	1000	22	50	2.2	0.15	ECEC2CB102BJ	200
		25	40	2.2	0.15	ECEC2CB102CJ	200
		30	30	2.2	0.15	ECEC2CB102DJ	200
		35	25	2.2	0.15	ECEC2CB102EJ	200
	1200	25	45	2.3	0.15	ECEC2CB122CJ	200
		30	35	2.3	0.15	ECEC2CB122DJ	100
		35	30	2.3	0.15	ECEC2CB122EJ	200
	1500	30	40	2.5	0.15	ECEC2CB152DJ	100
		35	30	2.5	0.15	ECEC2CB152EJ	200
	1800	30	45	2.7	0.15	ECEC2CB182DJ	100
		35	35	2.7	0.15	ECEC2CB182EJ	100
	2200	35	45	2.9	0.15	ECEC2CB222EJ	100
	2700	35	50	3.1	0.15	ECEC2CB272EJ	100
180	560	25	30	1.5	0.15	ECEC2PB561CJ	200
	680	22	45	1.7	0.15	ECEC2PB681BJ	200
		25	35	1.7	0.15	ECEC2PB681CJ	200
	820	22	50	2.0	0.15	ECEC2PB821BJ	200
		25	40	2.0	0.15	ECEC2PB821CJ	200
		30	30	2.0	0.15	ECEC2PB821DJ	200
	1000	25	45	2.2	0.15	ECEC2PB102CJ	200
		30	35	2.2	0.15	ECEC2PB102DJ	100
	1200	25	50	2.3	0.15	ECEC2PB122CJ	200
		30	40	2.3	0.15	ECEC2PB122DJ	100
		35	30	2.3	0.15	ECEC2PB122EJ	200
	1500	30	45	2.5	0.15	ECEC2PB152DJ	100
		35	35	2.5	0.15	ECEC2PB152EJ	100
200	390	22	30	1.3	0.15	ECEC2DB391BJ	200
		25	25	1.3	0.15	ECEC2DB391CJ	200
	470	22	35	1.4	0.15	ECEC2DB471BJ	200
		25	30	1.4	0.15	ECEC2DB471CJ	200
	560	22	40	1.5	0.15	ECEC2DB561BJ	200
		25	30	1.5	0.15	ECEC2DB561CJ	200
		30	25	1.5	0.15	ECEC2DB561DJ	200
	680	22	45	1.7	0.15	ECEC2DB681BJ	200
		25	35	1.7	0.15	ECEC2DB681CJ	200
	820	25	45	2.0	0.15	ECEC2DB821CJ	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.)

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Case size Length (mm)	Specification Ripple current (120Hz) (+105°C) (A)	Specification tan δ (120Hz) (+20°C)	Part No. PET Sleeve Terminal Length 4.0mm (Without P.V.C.plate)	Min.PackagingQ'ty (pcs)
200	820	30	30	2.0	0.15	ECEC2DB821DJ	200
		35	25	2.0	0.15	ECEC2DB821EJ	200
	1000	25	50	2.2	0.15	ECEC2DB102CJ	200
		30	35	2.2	0.15	ECEC2DB102DJ	100
		35	30	2.2	0.15	ECEC2DB102EJ	200
	1200	30	40	2.3	0.15	ECEC2DB122DJ	100
		35	35	2.3	0.15	ECEC2DB122EJ	100
	1500	30	50	2.5	0.15	ECEC2DB152DJ	100
		35	40	2.5	0.15	ECEC2DB152EJ	100
	1800	35	45	2.7	0.15	ECEC2DB182EJ	100
	2200	35	50	2.9	0.15	ECEC2DB222EJ	100
250	330	25	30	1.2	0.15	ECEC2EB331CJ	200
	390	30	25	1.3	0.15	ECEC2EB391DJ	200
	470	22	50	1.4	0.15	ECEC2EB471BJ	200
		25	40	1.4	0.15	ECEC2EB471CJ	200
		30	30	1.4	0.15	ECEC2EB471DJ	200
	560	25	45	1.5	0.15	ECEC2EB561CJ	200
		35	25	1.5	0.15	ECEC2EB561EJ	200
	680	25	50	1.7	0.15	ECEC2EB681CJ	200
		30	40	1.7	0.15	ECEC2EB681DJ	100
		35	30	1.7	0.15	ECEC2EB681EJ	200
	820	30	45	2.0	0.15	ECEC2EB821DJ	100
		35	35	2.0	0.15	ECEC2EB821EJ	100
	1000	30	50	2.2	0.15	ECEC2EB102DJ	100
		35	40	2.2	0.15	ECEC2EB102EJ	100
	1200	35	45	2.3	0.15	ECEC2EB122EJ	100
	1500	35	50	2.5	0.15	ECEC2EB152EJ	100
315	180	25	30	0.9	0.15	ECEC2FB181CJ	200
	220	25	35	1.0	0.15	ECEC2FB221CJ	200
		30	25	1.0	0.15	ECEC2FB221DJ	200
	270	22	50	1.1	0.15	ECEC2FB271BJ	200
		25	40	1.1	0.15	ECEC2FB271CJ	200
		30	30	1.1	0.15	ECEC2FB271DJ	200
	330	25	45	1.2	0.15	ECEC2FB331CJ	200
		30	35	1.2	0.15	ECEC2FB331DJ	100
	390	25	50	1.3	0.15	ECEC2FB391CJ	200
		30	40	1.3	0.15	ECEC2FB391DJ	100
		35	30	1.3	0.15	ECEC2FB391EJ	200
	470	30	45	1.4	0.15	ECEC2FB471DJ	100
		35	35	1.4	0.15	ECEC2FB471EJ	100
	560	30	50	1.5	0.15	ECEC2FB561DJ	100
		35	40	1.5	0.15	ECEC2FB561EJ	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.)

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Case size Length (mm)	Specification Ripple current (120Hz) (+105°C) (A)	Specification tan δ (120Hz) (+20°C)	Part No. PET sleeve Terminal Length 4.0mm (Without P.V.C.plate)	Min.Packaging Q'ty (pcs)
315	680	35	45	1.7	0.15	ECEC2FB681EJ	100
	820	35	50	2.0	0.15	ECEC2FB821EJ	100
350	120	22	30	0.75	0.15	ECEC2VB121BJ	200
		25	25	0.75	0.15	ECEC2VB121CJ	200
	150	22	35	0.82	0.15	ECEC2VB151BJ	200
	180	22	40	0.90	0.15	ECEC2VB181BJ	200
		25	30	0.90	0.15	ECEC2VB181CJ	200
		30	25	0.90	0.15	ECEC2VB181DJ	200
	220	22	45	1.0	0.15	ECEC2VB221BJ	200
		25	35	1.0	0.15	ECEC2VB221CJ	200
	270	25	45	1.1	0.15	ECEC2VB271CJ	200
		30	30	1.1	0.15	ECEC2VB271DJ	200
		35	25	1.1	0.15	ECEC2VB271EJ	200
	330	25	50	1.2	0.15	ECEC2VB331CJ	200
		30	40	1.2	0.15	ECEC2VB331DJ	100
		35	30	1.2	0.15	ECEC2VB331EJ	200
	390	30	45	1.3	0.15	ECEC2VB391DJ	100
		35	30	1.3	0.15	ECEC2VB391EJ	200
	470	30	50	1.4	0.15	ECEC2VB471DJ	100
	560	35	45	1.5	0.15	ECEC2VB561EJ	100
	680	35	50	1.7	0.15	ECEC2VB681EJ	100
400	82	22	30	0.64	0.15	ECEC2GB820BJ	200
	100	22	30	0.69	0.15	ECEC2GB101BJ	200
		25	25	0.69	0.15	ECEC2GB101CJ	200
	120	22	35	0.75	0.15	ECEC2GB121BJ	200
		25	30	0.75	0.15	ECEC2GB121CJ	200
	150	22	40	0.82	0.15	ECEC2GB151BJ	200
		25	30	0.82	0.15	ECEC2GB151CJ	200
		30	25	0.82	0.15	ECEC2GB151DJ	200
	180	22	45	0.95	0.15	ECEC2GB181BJ	200
		25	35	0.95	0.15	ECEC2GB181CJ	200
		30	30	0.95	0.15	ECEC2GB181DJ	200
	220	25	45	1.1	0.15	ECEC2GB221CJ	200
		30	30	1.1	0.15	ECEC2GB221DJ	200
		35	25	1.1	0.15	ECEC2GB221EJ	200
	270	25	50	1.2	0.15	ECEC2GB271CJ	200
		30	35	1.2	0.15	ECEC2GB271DJ	100
		35	30	1.2	0.15	ECEC2GB271EJ	200
	330	30	45	1.35	0.15	ECEC2GB331DJ	100
		35	35	1.35	0.15	ECEC2GB331EJ	100
	390	30	50	1.55	0.15	ECEC2GB391DJ	100
		35	40	1.55	0.15	ECEC2GB391EJ	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.)

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Case size Length (mm)	Specification Ripple current (120Hz) (+105°C) (A)	Specification tan δ (120Hz) (+20°C)	Part No. PET Sleeve Terminal Length 4.0mm (Without P.V.C.plate)	Min.Packaging Q'ty (pcs)
400	470	35	45	1.75	0.15	ECEC2GB471EJ	100
	560	35	50	1.80	0.15	ECEC2GB561EJ	100
450	82	22	30	0.56	0.20	ECEC2WB820BJ	200
	100	22	35	0.64	0.20	ECEC2WB101BJ	200
		25	30	0.64	0.20	ECEC2WB101CJ	200
	120	22	40	0.72	0.20	ECEC2WB121BJ	200
		25	35	0.72	0.20	ECEC2WB121CJ	200
	150	22	50	0.79	0.20	ECEC2WB151BJ	200
		25	40	0.79	0.20	ECEC2WB151CJ	200
		30	30	0.79	0.20	ECEC2WB151DJ	200
	180	25	45	0.87	0.20	ECEC2WB181CJ	200
		30	35	0.87	0.20	ECEC2WB181DJ	100
	220	25	50	1.00	0.20	ECEC2WB221CJ	200
		30	40	1.00	0.20	ECEC2WB221DJ	100
	270	30	45	1.19	0.20	ECEC2WB271DJ	100
		35	35	1.19	0.20	ECEC2WB271EJ	100
	330	30	50	1.38	0.20	ECEC2WB331DJ	100
		35	40	1.38	0.20	ECEC2WB331EJ	100
	390	35	45	1.55	0.20	ECEC2WB391EJ	100
	470	35	50	1.74	0.20	ECEC2WB471EJ	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.)

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