

Snap-in Type

Series: XB Type : TS

■ Features

Endurance : 105°C 7000 h

Japan



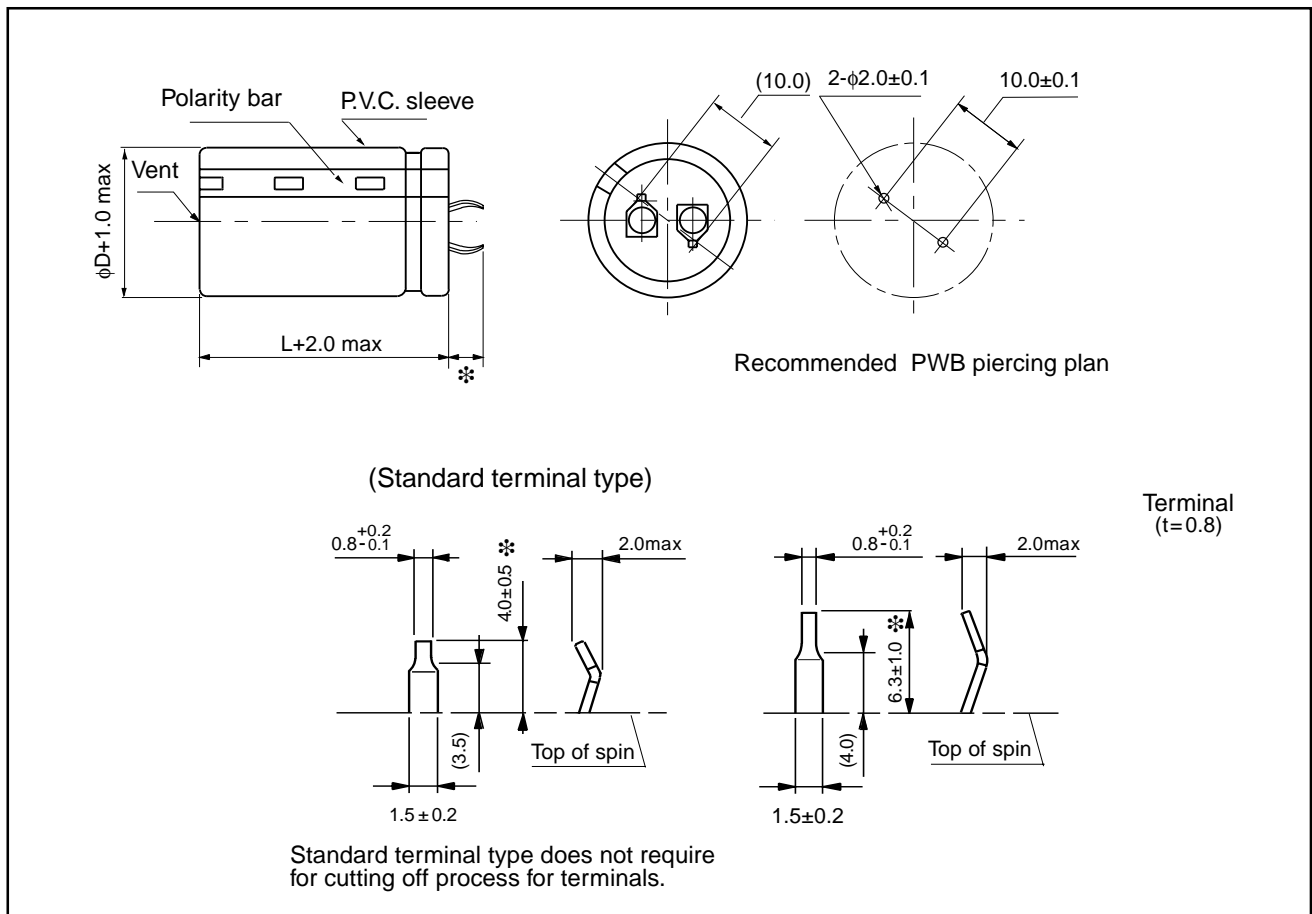
■ Recommended Applications

Smoothing circuits, AC adaptor,
Inverter lighting system

■ 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	180 to 2200 μ F		33 to 680 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)							
Dissipation Factor	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 7000 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						
	D.F.	≤ 200 % of initial specified value						
Shelf Life	After storage for 1000hours 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)							
	DC leakage current	≤ 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.		Min.Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)	Terminal Length 6.3mm (Without P.V.C. plate)	(Standard Terminals) Terminal Length 4.0mm (Without P.V.C. plate)	
160	270	22	25	1.1	0.15	EETXB2C271B	EETXB2C271H	200
	330	22	30	1.2	0.15	EETXB2C331B	EETXB2C331H	200
	390	22	30	1.3	0.15	EETXB2C391B	EETXB2C391H	200
		25	25	1.3	0.15	EETXB2C391C	EETXB2C391J	200
	470	22	35	1.4	0.15	EETXB2C471B	EETXB2C471H	200
		25	30	1.4	0.15	EETXB2C471C	EETXB2C471J	200
	560	22	40	1.5	0.15	EETXB2C561B	EETXB2C561H	200
		25	30	1.5	0.15	EETXB2C561C	EETXB2C561J	200
		30	25	1.5	0.15	EETXB2C561D	EETXB2C561K	100
	680	22	45	1.7	0.15	EETXB2C681B	EETXB2C681H	200
		25	35	1.7	0.15	EETXB2C681C	EETXB2C681J	200
		30	30	1.7	0.15	EETXB2C681D	EETXB2C681K	100
	820	25	40	2.0	0.15	EETXB2C821C	EETXB2C821J	200
		30	30	2.0	0.15	EETXB2C821D	EETXB2C821K	100
	1000	25	45	2.2	0.15	EETXB2C102C	EETXB2C102J	200
		30	35	2.2	0.15	EETXB2C102D	EETXB2C102K	100
	1200	25	50	2.3	0.15	EETXB2C122C	EETXB2C122J	200
		30	40	2.3	0.15	EETXB2C122D	EETXB2C122K	100
		35	35	2.3	0.15	EETXB2C122E	EETXB2C122L	100
	1500	30	45	2.5	0.15	EETXB2C152D	EETXB2C152K	100
35		35	2.5	0.15	EETXB2C152E	EETXB2C152L	100	
1800	30	50	2.7	0.15	EETXB2C182D	EETXB2C182K	100	
	35	40	2.7	0.15	EETXB2C182E	EETXB2C182L	100	
2200	35	50	2.9	0.15	EETXB2C222E	EETXB2C222L	100	
180	220	22	25	1.0	0.15	EETXB2P221B	EETXB2P221H	200
	270	22	25	1.1	0.15	EETXB2P271B	EETXB2P271H	200
	330	22	30	1.2	0.15	EETXB2P331B	EETXB2P331H	200
		25	25	1.2	0.15	EETXB2P331C	EETXB2P331J	200
	390	22	30	1.3	0.15	EETXB2P391B	EETXB2P391H	200
		25	25	1.3	0.15	EETXB2P391C	EETXB2P391J	200
	470	22	35	1.4	0.15	EETXB2P471B	EETXB2P471H	200
		25	30	1.4	0.15	EETXB2P471C	EETXB2P471J	200
		30	25	1.4	0.15	EETXB2P471D	EETXB2P471K	100
	560	22	40	1.5	0.15	EETXB2P561B	EETXB2P561H	200
		25	35	1.5	0.15	EETXB2P561C	EETXB2P561J	200
		30	25	1.5	0.15	EETXB2P561D	EETXB2P561K	100
	680	22	50	1.7	0.15	EETXB2P681B	EETXB2P681H	200
		25	40	1.7	0.15	EETXB2P681C	EETXB2P681J	200
		30	30	1.7	0.15	EETXB2P681D	EETXB2P681K	100
	820	25	45	2.0	0.15	EETXB2P821C	EETXB2P821J	200
30		35	2.0	0.15	EETXB2P821D	EETXB2P821K	100	
35		30	2.0	0.15	EETXB2P821E	EETXB2P821L	100	

Endurance : 105°C 7000h

Terminal Pitch : 10mm

When capacitors of φ35×45L and φ35×50L 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.		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)	Terminal Length 6.3mm (Without P.V.C. plate)	(Standard Terminals) Terminal Length 4.0mm (Without P.V.C. plate)	
180	1000	30	40	2.2	0.15	EETXB2P102D	EETXB2P102K	100
		35	30	2.2	0.15	EETXB2P102E	EETXB2P102L	100
	1200	30	45	2.3	0.15	EETXB2P122D	EETXB2P122K	100
		35	35	2.3	0.15	EETXB2P122E	EETXB2P122L	100
	1500	30	50	2.5	0.15	EETXB2P152D	EETXB2P152K	100
		35	40	2.5	0.15	EETXB2P152E	EETXB2P152L	100
	1800	35	45	2.7	0.15	EETXB2P182E	EETXB2P182L	100
2200	35	50	2.9	0.15	EETXB2P222E	EETXB2P222L	100	
200	220	22	25	1.0	0.15	EETXB2D221B	EETXB2D221H	200
		270	22	30	1.1	0.15	EETXB2D271B	EETXB2D271H
	330	25	25	1.1	0.15	EETXB2D271C	EETXB2D271J	200
		22	30	1.2	0.15	EETXB2D331B	EETXB2D331H	200
	390	25	25	1.2	0.15	EETXB2D331C	EETXB2D331J	200
		22	35	1.3	0.15	EETXB2D391B	EETXB2D391H	200
	470	25	30	1.3	0.15	EETXB2D391C	EETXB2D391J	200
		30	25	1.3	0.15	EETXB2D391D	EETXB2D391K	100
	560	22	40	1.4	0.15	EETXB2D471B	EETXB2D471H	200
		25	35	1.4	0.15	EETXB2D471C	EETXB2D471J	200
		30	30	1.4	0.15	EETXB2D471D	EETXB2D471K	100
	680	22	45	1.5	0.15	EETXB2D561B	EETXB2D561H	200
		25	35	1.5	0.15	EETXB2D561C	EETXB2D561J	200
	820	30	30	1.5	0.15	EETXB2D561D	EETXB2D561K	100
		25	40	1.7	0.15	EETXB2D681C	EETXB2D681J	200
		30	35	1.7	0.15	EETXB2D681D	EETXB2D681K	100
	1000	25	50	2.0	0.15	EETXB2D821C	EETXB2D821J	200
		30	40	2.0	0.15	EETXB2D821D	EETXB2D821K	100
		35	30	2.0	0.15	EETXB2D821E	EETXB2D821L	100
	1200	30	45	2.2	0.15	EETXB2D102D	EETXB2D102K	100
35		35	2.2	0.15	EETXB2D102E	EETXB2D102L	100	
1500	30	50	2.3	0.15	EETXB2D122D	EETXB2D122K	100	
	35	40	2.3	0.15	EETXB2D122E	EETXB2D122L	100	
250	180	35	50	2.5	0.15	EETXB2D152E	EETXB2D152L	100
		22	30	0.9	0.15	EETXB2E181B	EETXB2E181H	200
	220	25	25	0.9	0.15	EETXB2E181C	EETXB2E181J	200
		22	30	1.0	0.15	EETXB2E221B	EETXB2E221H	200
	270	25	25	1.0	0.15	EETXB2E221C	EETXB2E221J	200
		22	35	1.1	0.15	EETXB2E271B	EETXB2E271H	200
		25	30	1.1	0.15	EETXB2E271C	EETXB2E271J	200
	330	30	25	1.1	0.15	EETXB2E271D	EETXB2E271K	100
		22	40	1.2	0.15	EETXB2E331B	EETXB2E331H	200
		25	35	1.2	0.15	EETXB2E331C	EETXB2E331J	200
		30	25	1.2	0.15	EETXB2E331D	EETXB2E331K	100

Endurance : 105°C 7000h

Terminal Pitch : 10mm

When capacitors of φ35×45L and φ35×50L 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.		Min. Packaging Qty (pcs)
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)	Terminal Length 6.3mm (Without P.V.C. plate)	(Standard Terminals) Terminal Length 4.0mm (Without P.V.C. plate)	
250	390	22	45	1.30	0.15	EETXB2E391B	EETXB2E391H	200
		25	35	1.30	0.15	EETXB2E391C	EETXB2E391J	200
		30	30	1.30	0.15	EETXB2E391D	EETXB2E391K	100
	470	25	45	1.40	0.15	EETXB2E471C	EETXB2E471J	200
		30	35	1.40	0.15	EETXB2E471D	EETXB2E471K	100
		35	30	1.40	0.15	EETXB2E471E	EETXB2E471L	100
	560	25	50	1.50	0.15	EETXB2E561C	EETXB2E561J	200
		30	35	1.50	0.15	EETXB2E561D	EETXB2E561K	100
		35	30	1.50	0.15	EETXB2E561E	EETXB2E561L	100
	680	30	45	1.70	0.15	EETXB2E681D	EETXB2E681K	100
		35	35	1.70	0.15	EETXB2E681E	EETXB2E681L	100
	820	30	50	2.00	0.15	EETXB2E821D	EETXB2E821K	100
		35	40	2.00	0.15	EETXB2E821E	EETXB2E821L	100
	1000	35	45	2.20	0.15	EETXB2E102E	EETXB2E102L	100
1200	35	50	2.30	0.15	EETXB2E122E	EETXB2E122L	100	
315	82	22	25	0.64	0.15	EETXB2F820B	EETXB2F820H	200
	100	22	30	0.69	0.15	EETXB2F101B	EETXB2F101H	200
	120	22	30	0.75	0.15	EETXB2F121B	EETXB2F121H	200
		25	25	0.75	0.15	EETXB2F121C	EETXB2F121J	200
	150	22	35	0.82	0.15	EETXB2F151B	EETXB2F151H	200
		25	30	0.82	0.15	EETXB2F151C	EETXB2F151J	200
		30	25	0.82	0.15	EETXB2F151D	EETXB2F151K	100
	180	22	40	0.90	0.15	EETXB2F181B	EETXB2F181H	200
		25	35	0.90	0.15	EETXB2F181C	EETXB2F181J	200
		30	25	0.90	0.15	EETXB2F181D	EETXB2F181K	100
	220	22	45	1.00	0.15	EETXB2F221B	EETXB2F221H	200
		25	40	1.00	0.15	EETXB2F221C	EETXB2F221J	200
		30	30	1.00	0.15	EETXB2F221D	EETXB2F221K	100
	270	25	45	1.10	0.15	EETXB2F271C	EETXB2F271J	200
		30	35	1.10	0.15	EETXB2F271D	EETXB2F271K	100
		35	30	1.10	0.15	EETXB2F271E	EETXB2F271L	100
	330	25	50	1.20	0.15	EETXB2F331C	EETXB2F331J	200
		30	40	1.20	0.15	EETXB2F331D	EETXB2F331K	100
		35	30	1.20	0.15	EETXB2F331E	EETXB2F331L	100
	390	30	45	1.30	0.15	EETXB2F391D	EETXB2F391K	100
		35	35	1.30	0.15	EETXB2F391E	EETXB2F391L	100
470	30	50	1.40	0.15	EETXB2F471D	EETXB2F471K	100	
	35	40	1.40	0.15	EETXB2F471E	EETXB2F471L	100	
560	35	45	1.50	0.15	EETXB2F561E	EETXB2F561L	100	
680	35	50	1.70	0.15	EETXB2F681E	EETXB2F681L	100	
350	82	22	25	0.64	0.15	EETXB2V820B	EETXB2V820H	200
	100	22	30	0.69	0.15	EETXB2V101B	EETXB2V101H	200

Endurance : 105°C 7000h

Terminal Pitch : 10mm

When capacitors of $\phi 35 \times 45L$ and $\phi 35 \times 50L$ 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.		Min.Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)	Terminal Length 6.3mm (Without P.V.C. plate)	(Standard Terminals) Terminal Length 4.0mm (Without P.V.C. plate)	
350	100	25	25	0.69	0.15	EETXB2V101C	EETXB2V101J	200
	120	22	35	0.75	0.15	EETXB2V121B	EETXB2V121H	200
		25	30	0.75	0.15	EETXB2V121C	EETXB2V121J	200
	150	22	40	0.82	0.15	EETXB2V151B	EETXB2V151H	200
		25	30	0.82	0.15	EETXB2V151C	EETXB2V151J	200
		30	25	0.82	0.15	EETXB2V151D	EETXB2V151K	100
	180	22	45	0.90	0.15	EETXB2V181B	EETXB2V181H	200
		25	35	0.90	0.15	EETXB2V181C	EETXB2V181J	200
		30	30	0.90	0.15	EETXB2V181D	EETXB2V181K	100
	220	22	50	1.00	0.15	EETXB2V221B	EETXB2V221H	200
		25	40	1.00	0.15	EETXB2V221C	EETXB2V221J	200
		30	30	1.00	0.15	EETXB2V221D	EETXB2V221K	100
	270	25	50	1.10	0.15	EETXB2V271C	EETXB2V271J	200
		30	35	1.10	0.15	EETXB2V271D	EETXB2V271K	100
		35	30	1.10	0.15	EETXB2V271E	EETXB2V271L	100
	330	30	45	1.20	0.15	EETXB2V331D	EETXB2V331K	100
		35	35	1.20	0.15	EETXB2V331E	EETXB2V331L	100
	390	30	50	1.30	0.15	EETXB2V391D	EETXB2V391K	100
35		40	1.30	0.15	EETXB2V391E	EETXB2V391L	100	
470	35	40	1.40	0.15	EETXB2V471E	EETXB2V471L	100	
560	35	50	1.50	0.15	EETXB2V561E	EETXB2V561L	100	
400	56	22	25	0.51	0.15	EETXB2G560B	EETXB2G560H	200
	68	22	30	0.56	0.15	EETXB2G680B	EETXB2G680H	200
		25	25	0.56	0.15	EETXB2G680C	EETXB2G680J	200
	82	22	35	0.64	0.15	EETXB2G820B	EETXB2G820H	200
		25	25	0.64	0.15	EETXB2G820C	EETXB2G820J	200
	100	22	35	0.69	0.15	EETXB2G101B	EETXB2G101H	200
		25	30	0.69	0.15	EETXB2G101C	EETXB2G101J	200
	120	22	40	0.75	0.15	EETXB2G121B	EETXB2G121H	200
		25	35	0.75	0.15	EETXB2G121C	EETXB2G121J	200
		30	25	0.75	0.15	EETXB2G121D	EETXB2G121K	100
	150	22	50	0.82	0.15	EETXB2G151B	EETXB2G151H	200
		25	40	0.82	0.15	EETXB2G151C	EETXB2G151J	200
		30	30	0.82	0.15	EETXB2G151D	EETXB2G151K	100
	180	25	45	0.90	0.15	EETXB2G181C	EETXB2G181J	200
		30	35	0.90	0.15	EETXB2G181D	EETXB2G181K	100
		35	25	0.90	0.15	EETXB2G181E	EETXB2G181L	100
	220	25	50	1.00	0.15	EETXB2G221C	EETXB2G221J	200
		30	40	1.00	0.15	EETXB2G221D	EETXB2G221K	100
35		30	1.00	0.15	EETXB2G221E	EETXB2G221L	100	
270	30	45	1.10	0.15	EETXB2G271D	EETXB2G271K	100	
	35	35	1.10	0.15	EETXB2G271E	EETXB2G271L	100	

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400	330	30	50	1.20	0.15	EETXB2G331D	EETXB2G331K	100
		35	40	1.20	0.15	EETXB2G331E	EETXB2G331L	100
	390	35	45	1.30	0.15	EETXB2G391E	EETXB2G391L	100
	470	35	50	1.40	0.15	EETXB2G471E	EETXB2G471L	100
450	39	22	25	0.37	0.15	EETXB2W390B	EETXB2W390H	200
		47	30	0.40	0.15	EETXB2W470B	EETXB2W470H	200
	56	22	35	0.47	0.15	EETXB2W560B	EETXB2W560H	200
		25	25	0.47	0.15	EETXB2W560C	EETXB2W560J	200
	68	22	40	0.53	0.15	EETXB2W680B	EETXB2W680H	200
		25	30	0.53	0.15	EETXB2W680C	EETXB2W680J	200
	82	22	45	0.56	0.15	EETXB2W820B	EETXB2W820H	200
		25	35	0.56	0.15	EETXB2W820C	EETXB2W820J	200
		30	25	0.56	0.15	EETXB2W820D	EETXB2W820K	100
	100	22	50	0.64	0.15	EETXB2W101B	EETXB2W101H	200
		25	40	0.64	0.15	EETXB2W101C	EETXB2W101J	200
		30	30	0.64	0.15	EETXB2W101D	EETXB2W101K	100
	120	25	45	0.72	0.15	EETXB2W121C	EETXB2W121J	200
		30	30	0.72	0.15	EETXB2W121D	EETXB2W121K	100
	150	25	50	0.79	0.15	EETXB2W151C	EETXB2W151J	200
		30	40	0.79	0.15	EETXB2W151D	EETXB2W151K	100
		35	30	0.79	0.15	EETXB2W151E	EETXB2W151L	100
	180	30	45	0.87	0.15	EETXB2W181D	EETXB2W181K	100
		35	35	0.87	0.15	EETXB2W181E	EETXB2W181L	100
	220	30	50	1.0	0.15	EETXB2W221D	EETXB2W221K	100
35		40	1.0	0.15	EETXB2W221E	EETXB2W221L	100	
270	35	45	1.19	0.15	EETXB2W271E	EETXB2W271L	100	
330	35	50	1.38	0.15	EETXB2W331E	EETXB2W331L	100	

Endurance : 105°C 7000h

Terminal Pitch : 10mm

When capacitors of $\phi 35 \times 45L$ and $\phi 35 \times 50L$ are mounted on PWB, reinforce them with mounting clamp or adhesives. (Avoid using adhesives including halogenated compositions.)