

Snap-in Type

Series: XB Type : TS

■ Features

Endurance : 105°C 7000 h

■ Recommended Applications

Smoothing circuits, AC adaptor, Inverter lighting system

■ Specifications

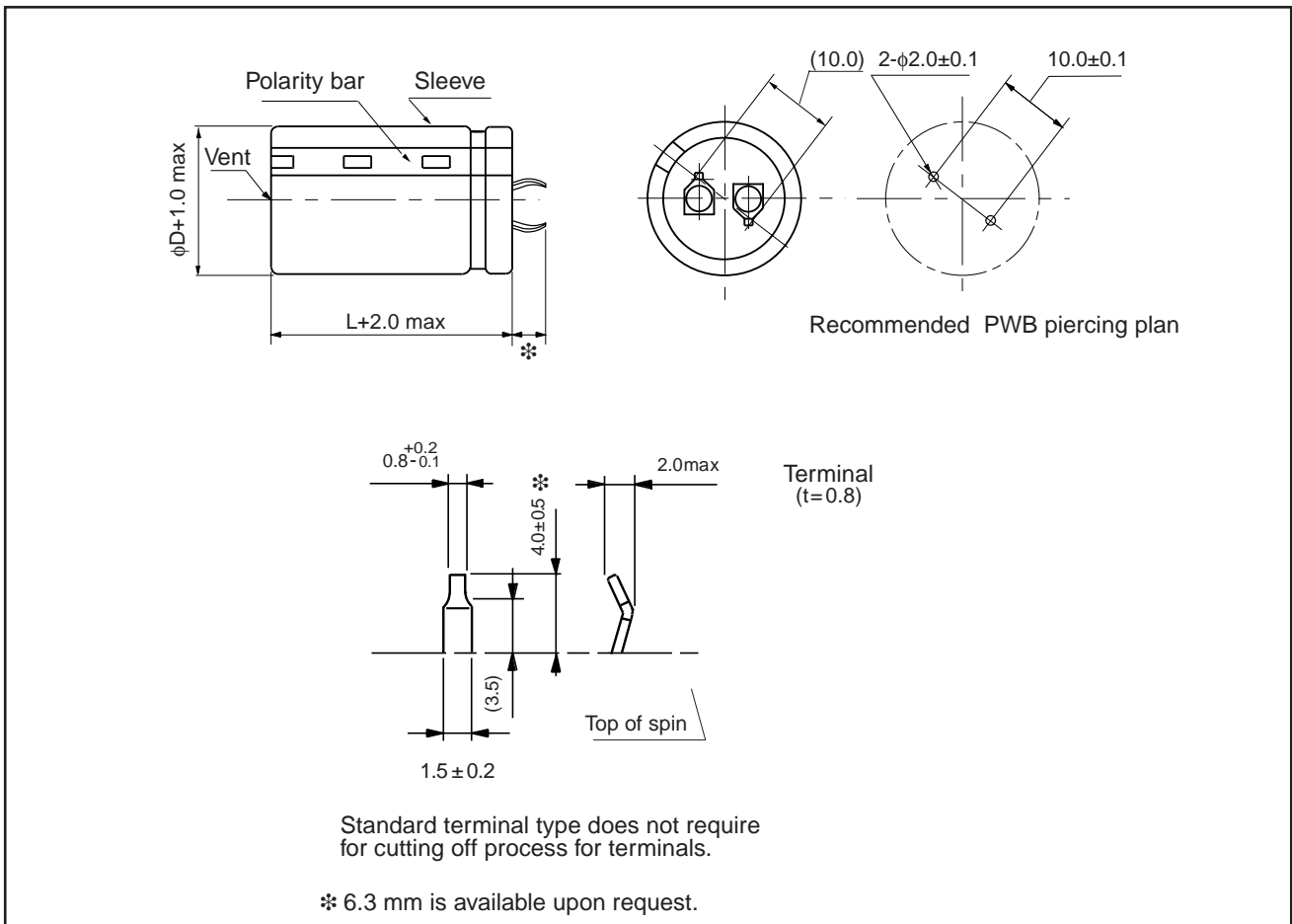
Country of Origin

- Japan
- U.S.A
- Malaysia
- China



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	39 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)	
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 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
	tan δ	≤ 200 % of initial specified value
	DC leakage current	≤ 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)	

■ 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.	MinPackagingQty (pcs)	
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	tan δ (120Hz) (+20°C)	PVC sleeve Terminal Length 4.0mm (Without P.V.C.plate)	PET sleeve Terminal Length 4.0mm (Without P.V.C.plate)		
160	270	22	25	1.1	0.15	EETXB2C271H	EETXB2C271HJ	200	
	330	22	30	1.2	0.15	EETXB2C331H	EETXB2C331HJ	200	
	390	22	30	1.3	0.15	EETXB2C391H	EETXB2C391HJ	200	
			25	25	1.3	0.15	EETXB2C391J	EETXB2C391JJ	200
	470	22	35	1.4	0.15	EETXB2C471H	EETXB2C471HJ	200	
			25	30	1.4	0.15	EETXB2C471J	EETXB2C471JJ	200
	560	22	40	1.5	0.15	EETXB2C561H	EETXB2C561HJ	200	
			25	30	1.5	0.15	EETXB2C561J	EETXB2C561JJ	200
			30	25	1.5	0.15	EETXB2C561K	EETXB2C561KJ	200
	680	22	45	1.7	0.15	EETXB2C681H	EETXB2C681HJ	200	
			25	35	1.7	0.15	EETXB2C681J	EETXB2C681JJ	200
			30	30	1.7	0.15	EETXB2C681K	EETXB2C681KJ	200
	820	25	40	2.0	0.15	EETXB2C821J	EETXB2C821JJ	200	
			30	30	2.0	0.15	EETXB2C821K	EETXB2C821KJ	200
	1000	25	45	2.2	0.15	EETXB2C102J	EETXB2C102JJ	200	
			30	35	2.2	0.15	EETXB2C102K	EETXB2C102KJ	100
	1200	25	50	2.3	0.15	EETXB2C122J	EETXB2C122JJ	200	
			30	40	2.3	0.15	EETXB2C122K	EETXB2C122KJ	100
			35	35	2.3	0.15	EETXB2C122L	EETXB2C122LJ	100
	1500	30	45	2.5	0.15	EETXB2C152K	EETXB2C152KJ	100	
35			35	2.5	0.15	EETXB2C152L	EETXB2C152LJ	100	
1800	30	50	2.7	0.15	EETXB2C182K	EETXB2C182KJ	100		
		35	40	2.7	0.15	EETXB2C182L	EETXB2C182LJ	100	
2200	35	50	2.9	0.15	EETXB2C222L	EETXB2C222LJ	100		
180	220	22	25	1.0	0.15	EETXB2P221H	EETXB2P221HJ	200	
	270	22	25	1.1	0.15	EETXB2P271H	EETXB2P271HJ	200	
	330	22	30	1.2	0.15	EETXB2P331H	EETXB2P331HJ	200	
			25	25	1.2	0.15	EETXB2P331J	EETXB2P331JJ	200
	390	22	30	1.3	0.15	EETXB2P391H	EETXB2P391HJ	200	
			25	25	1.3	0.15	EETXB2P391J	EETXB2P391JJ	200
	470	22	35	1.4	0.15	EETXB2P471H	EETXB2P471HJ	200	
			25	30	1.4	0.15	EETXB2P471J	EETXB2P471JJ	200
			30	25	1.4	0.15	EETXB2P471K	EETXB2P471KJ	200
	560	22	40	1.5	0.15	EETXB2P561H	EETXB2P561HJ	200	
			25	35	1.5	0.15	EETXB2P561J	EETXB2P561JJ	200
			30	25	1.5	0.15	EETXB2P561K	EETXB2P561KJ	200
	680	22	50	1.7	0.15	EETXB2P681H	EETXB2P681HJ	200	
			25	40	1.7	0.15	EETXB2P681J	EETXB2P681JJ	200
			30	30	1.7	0.15	EETXB2P681K	EETXB2P681KJ	200
	820	25	45	2.0	0.15	EETXB2P821J	EETXB2P821JJ	200	
			30	35	2.0	0.15	EETXB2P821K	EETXB2P821KJ	100
			35	30	2.0	0.15	EETXB2P821L	EETXB2P821LJ	200

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Terminal Pitch : 10mm

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size		Specification		Part No.	Part No.	MinPackagingQty (pcs)	
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	tan δ (120Hz) (+20°C)	PVC sleeve Terminal Length 4.0mm (Without P.V.C.plate)	PET sleeve Terminal Length 4.0mm (Without P.V.C.plate)		
180	1000	30	40	2.2	0.15	EETXB2P102K	EETXB2P102KJ	100	
		35	30	2.2	0.15	EETXB2P102L	EETXB2P102LJ	200	
	1200	30	45	2.3	0.15	EETXB2P122K	EETXB2P122KJ	100	
		35	35	2.3	0.15	EETXB2P122L	EETXB2P122LJ	100	
	1500	30	50	2.5	0.15	EETXB2P152K	EETXB2P152KJ	100	
		35	40	2.5	0.15	EETXB2P152L	EETXB2P152LJ	100	
	1800	35	45	2.7	0.15	EETXB2P182L	EETXB2P182LJ	100	
2200	35	50	2.9	0.15	EETXB2P222L	EETXB2P222LJ	100		
200	220	22	25	1.0	0.15	EETXB2D221H	EETXB2D221HJ	200	
		270	22	30	1.1	0.15	EETXB2D271H	EETXB2D271HJ	200
	330	25	25	1.1	0.15	EETXB2D271J	EETXB2D271JJ	200	
		22	30	1.2	0.15	EETXB2D331H	EETXB2D331HJ	200	
	390	25	25	1.2	0.15	EETXB2D331J	EETXB2D331JJ	200	
		22	35	1.3	0.15	EETXB2D391H	EETXB2D391HJ	200	
		25	30	1.3	0.15	EETXB2D391J	EETXB2D391JJ	200	
	470	30	25	1.3	0.15	EETXB2D391K	EETXB2D391KJ	200	
		22	40	1.4	0.15	EETXB2D471H	EETXB2D471HJ	200	
		25	35	1.4	0.15	EETXB2D471J	EETXB2D471JJ	200	
	560	30	30	1.4	0.15	EETXB2D471K	EETXB2D471KJ	200	
		22	45	1.5	0.15	EETXB2D561H	EETXB2D561HJ	200	
		25	35	1.5	0.15	EETXB2D561J	EETXB2D561JJ	200	
		30	30	1.5	0.15	EETXB2D561K	EETXB2D561KJ	200	
		680	25	40	1.7	0.15	EETXB2D681J	EETXB2D681JJ	200
			30	35	1.7	0.15	EETXB2D681K	EETXB2D681KJ	100
	820	25	50	2.0	0.15	EETXB2D821J	EETXB2D821JJ	200	
		30	40	2.0	0.15	EETXB2D821K	EETXB2D821KJ	100	
		35	30	2.0	0.15	EETXB2D821L	EETXB2D821LJ	200	
	1000	30	45	2.2	0.15	EETXB2D102K	EETXB2D102KJ	100	
35		35	2.2	0.15	EETXB2D102L	EETXB2D102LJ	100		
1200	30	50	2.3	0.15	EETXB2D122K	EETXB2D122KJ	100		
	35	40	2.3	0.15	EETXB2D122L	EETXB2D122LJ	100		
1500	35	50	2.5	0.15	EETXB2D152L	EETXB2D152LJ	100		
250	180	22	30	0.9	0.15	EETXB2E181H	EETXB2E181HJ	200	
		25	25	0.9	0.15	EETXB2E181J	EETXB2E181JJ	200	
	220	22	30	1.0	0.15	EETXB2E221H	EETXB2E221HJ	200	
		25	25	1.0	0.15	EETXB2E221J	EETXB2E221JJ	200	
	270	22	35	1.1	0.15	EETXB2E271H	EETXB2E271HJ	200	
		25	30	1.1	0.15	EETXB2E271J	EETXB2E271JJ	200	
		30	25	1.1	0.15	EETXB2E271K	EETXB2E271KJ	200	
	330	22	40	1.2	0.15	EETXB2E331H	EETXB2E331HJ	200	
		25	35	1.2	0.15	EETXB2E331J	EETXB2E331JJ	200	
		30	25	1.2	0.15	EETXB2E331K	EETXB2E331KJ	200	

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		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	tan δ (120Hz) (+20°C)	PVC sleeve Terminal Length 4.0mm (Without P.V.C.plate)	PET sleeve Terminal Length 4.0mm (Without P.V.C.plate)	
250	390	22	45	1.30	0.15	EETXB2E391H	EETXB2E391HJ	200
		25	35	1.30	0.15	EETXB2E391J	EETXB2E391JJ	200
		30	30	1.30	0.15	EETXB2E391K	EETXB2E391KJ	200
	470	25	45	1.40	0.15	EETXB2E471J	EETXB2E471JJ	200
		30	35	1.40	0.15	EETXB2E471K	EETXB2E471KJ	100
		35	30	1.40	0.15	EETXB2E471L	EETXB2E471LJ	200
	560	25	50	1.50	0.15	EETXB2E561J	EETXB2E561JJ	200
		30	35	1.50	0.15	EETXB2E561K	EETXB2E561KJ	100
		35	30	1.50	0.15	EETXB2E561L	EETXB2E561LJ	200
	680	30	45	1.70	0.15	EETXB2E681K	EETXB2E681KJ	100
		35	35	1.70	0.15	EETXB2E681L	EETXB2E681LJ	100
	820	30	50	2.00	0.15	EETXB2E821K	EETXB2E821KJ	100
		35	40	2.00	0.15	EETXB2E821L	EETXB2E821LJ	100
	1000	35	45	2.20	0.15	EETXB2E102L	EETXB2E102LJ	100
1200	35	50	2.30	0.15	EETXB2E122L	EETXB2E122LJ	100	
315	82	22	25	0.64	0.15	EETXB2F820H	EETXB2F820HJ	200
	100	22	30	0.69	0.15	EETXB2F101H	EETXB2F101HJ	200
	120	22	30	0.75	0.15	EETXB2F121H	EETXB2F121HJ	200
		25	25	0.75	0.15	EETXB2F121J	EETXB2F121JJ	200
	150	22	35	0.82	0.15	EETXB2F151H	EETXB2F151HJ	200
		25	30	0.82	0.15	EETXB2F151J	EETXB2F151JJ	200
		30	25	0.82	0.15	EETXB2F151K	EETXB2F151KJ	200
	180	22	40	0.90	0.15	EETXB2F181H	EETXB2F181HJ	200
		25	35	0.90	0.15	EETXB2F181J	EETXB2F181JJ	200
		30	25	0.90	0.15	EETXB2F181K	EETXB2F181KJ	200
	220	22	45	1.00	0.15	EETXB2F221H	EETXB2F221HJ	200
		25	40	1.00	0.15	EETXB2F221J	EETXB2F221JJ	200
		30	30	1.00	0.15	EETXB2F221K	EETXB2F221KJ	200
	270	25	45	1.10	0.15	EETXB2F271J	EETXB2F271JJ	200
		30	35	1.10	0.15	EETXB2F271K	EETXB2F271KJ	100
		35	30	1.10	0.15	EETXB2F271L	EETXB2F271LJ	200
	330	25	50	1.20	0.15	EETXB2F331J	EETXB2F331JJ	200
		30	40	1.20	0.15	EETXB2F331K	EETXB2F331KJ	100
		35	30	1.20	0.15	EETXB2F331L	EETXB2F331LJ	200
	390	30	45	1.30	0.15	EETXB2F391K	EETXB2F391KJ	100
		35	35	1.30	0.15	EETXB2F391L	EETXB2F391LJ	100
	470	30	50	1.40	0.15	EETXB2F471K	EETXB2F471KJ	100
35		40	1.40	0.15	EETXB2F471L	EETXB2F471LJ	100	
560	35	45	1.50	0.15	EETXB2F561L	EETXB2F561LJ	100	
680	35	50	1.70	0.15	EETXB2F681L	EETXB2F681LJ	100	
350	82	22	25	0.64	0.15	EETXB2V820H	EETXB2V820HJ	200
	100	22	30	0.69	0.15	EETXB2V101H	EETXB2V101HJ	200

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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.	Part No.	MinPackagingQty (pcs)
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	tan δ (120Hz) (+20°C)	PVC sleeve Terminal Length 4.0mm (Without P.V.C.plate)	PET sleeve Terminal Length 4.0mm (Without P.V.C.plate)	
350	100	25	25	0.69	0.15	EETXB2V101J	EETXB2V101JJ	200
	120	22	35	0.75	0.15	EETXB2V121H	EETXB2V121HJ	200
		25	30	0.75	0.15	EETXB2V121J	EETXB2V121JJ	200
	150	22	40	0.82	0.15	EETXB2V151H	EETXB2V151HJ	200
		25	30	0.82	0.15	EETXB2V151J	EETXB2V151JJ	200
		30	25	0.82	0.15	EETXB2V151K	EETXB2V151KJ	200
	180	22	45	0.90	0.15	EETXB2V181H	EETXB2V181HJ	200
		25	35	0.90	0.15	EETXB2V181J	EETXB2V181JJ	200
		30	30	0.90	0.15	EETXB2V181K	EETXB2V181KJ	200
	220	22	50	1.00	0.15	EETXB2V221H	EETXB2V221HJ	200
		25	40	1.00	0.15	EETXB2V221J	EETXB2V221JJ	200
		30	30	1.00	0.15	EETXB2V221K	EETXB2V221KJ	200
	270	25	50	1.10	0.15	EETXB2V271J	EETXB2V271JJ	200
		30	35	1.10	0.15	EETXB2V271K	EETXB2V271KJ	100
		35	30	1.10	0.15	EETXB2V271L	EETXB2V271LJ	200
	330	30	45	1.20	0.15	EETXB2V331K	EETXB2V331KJ	100
		35	35	1.20	0.15	EETXB2V331L	EETXB2V331LJ	100
	390	30	50	1.30	0.15	EETXB2V391K	EETXB2V391KJ	100
		35	40	1.30	0.15	EETXB2V391L	EETXB2V391LJ	100
	470	35	40	1.40	0.15	EETXB2V471L	EETXB2V471LJ	100
560	35	50	1.50	0.15	EETXB2V561L	EETXB2V561LJ	100	
400	56	22	25	0.51	0.15	EETXB2G560H	EETXB2G560HJ	200
	68	22	30	0.56	0.15	EETXB2G680H	EETXB2G680HJ	200
		25	25	0.56	0.15	EETXB2G680J	EETXB2G680JJ	200
	82	22	35	0.64	0.15	EETXB2G820H	EETXB2G820HJ	200
		25	25	0.64	0.15	EETXB2G820J	EETXB2G820JJ	200
	100	22	35	0.69	0.15	EETXB2G101H	EETXB2G101HJ	200
		25	30	0.69	0.15	EETXB2G101J	EETXB2G101JJ	200
	120	22	40	0.75	0.15	EETXB2G121H	EETXB2G121HJ	200
		25	35	0.75	0.15	EETXB2G121J	EETXB2G121JJ	200
		30	25	0.75	0.15	EETXB2G121K	EETXB2G121KJ	200
	150	22	50	0.82	0.15	EETXB2G151H	EETXB2G151HJ	200
		25	40	0.82	0.15	EETXB2G151J	EETXB2G151JJ	200
		30	30	0.82	0.15	EETXB2G151K	EETXB2G151KJ	200
	180	25	45	0.90	0.15	EETXB2G181J	EETXB2G181JJ	200
		30	35	0.90	0.15	EETXB2G181K	EETXB2G181KJ	100
		35	25	0.90	0.15	EETXB2G181L	EETXB2G181LJ	200
	220	25	50	1.00	0.15	EETXB2G221J	EETXB2G221JJ	200
		30	40	1.00	0.15	EETXB2G221K	EETXB2G221KJ	100
		35	30	1.00	0.15	EETXB2G221L	EETXB2G221LJ	200
	270	30	45	1.10	0.15	EETXB2G271K	EETXB2G271KJ	100
35		35	1.10	0.15	EETXB2G271L	EETXB2G271LJ	100	

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400	330	30	50	1.20	0.15	EETXB2G331K	EETXB2G331K	100
		35	40	1.20	0.15	EETXB2G331L	EETXB2G331LJ	100
	390	35	45	1.30	0.15	EETXB2G391L	EETXB2G391LJ	100
	470	35	50	1.40	0.15	EETXB2G471L	EETXB2G471L	100
450	39	22	25	0.37	0.15	EETXB2W390H	EETXB2W390KJ	200
		47	22	30	0.40	0.15	EETXB2W470H	EETXB2W470HJ
	56	22	35	0.47	0.15	EETXB2W560H	EETXB2W560HJ	200
		25	25	0.47	0.15	EETXB2W560J	EETXB2W560JJ	200
	68	22	40	0.53	0.15	EETXB2W680H	EETXB2W680HJ	200
		25	30	0.53	0.15	EETXB2W680J	EETXB2W680JJ	200
	82	22	45	0.56	0.15	EETXB2W820H	EETXB2W820HJ	200
		25	35	0.56	0.15	EETXB2W820J	EETXB2W820JJ	200
		30	25	0.56	0.15	EETXB2W820K	EETXB2W820KJ	200
	100	22	50	0.64	0.15	EETXB2W101H	EETXB2W101HJ	200
		25	40	0.64	0.15	EETXB2W101J	EETXB2W101JJ	200
		30	30	0.64	0.15	EETXB2W101K	EETXB2W101KJ	200
	120	25	45	0.72	0.15	EETXB2W121J	EETXB2W101JJ	200
		30	30	0.72	0.15	EETXB2W121K	EETXB2W121KJ	200
	150	25	50	0.79	0.15	EETXB2W151J	EETXB2W151JJ	200
		30	40	0.79	0.15	EETXB2W151K	EETXB2W151KJ	100
		35	30	0.79	0.15	EETXB2W151L	EETXB2W151LJ	200
	180	30	45	0.87	0.15	EETXB2W181K	EETXB2W181KJ	100
		35	35	0.87	0.15	EETXB2W181L	EETXB2W181LJ	100
	220	30	50	1.0	0.15	EETXB2W221K	EETXB2W221KJ	100
35		40	1.0	0.15	EETXB2W221L	EETXB2W221LJ	100	
270	35	45	1.19	0.15	EETXB2W271L	EETXB2W271LJ	100	
330	35	50	1.38	0.15	EETXB2W331L	EETXB2W331LJ	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.)