

Snap-in Type

Series: **UQ** Type: **TS**



■ Features

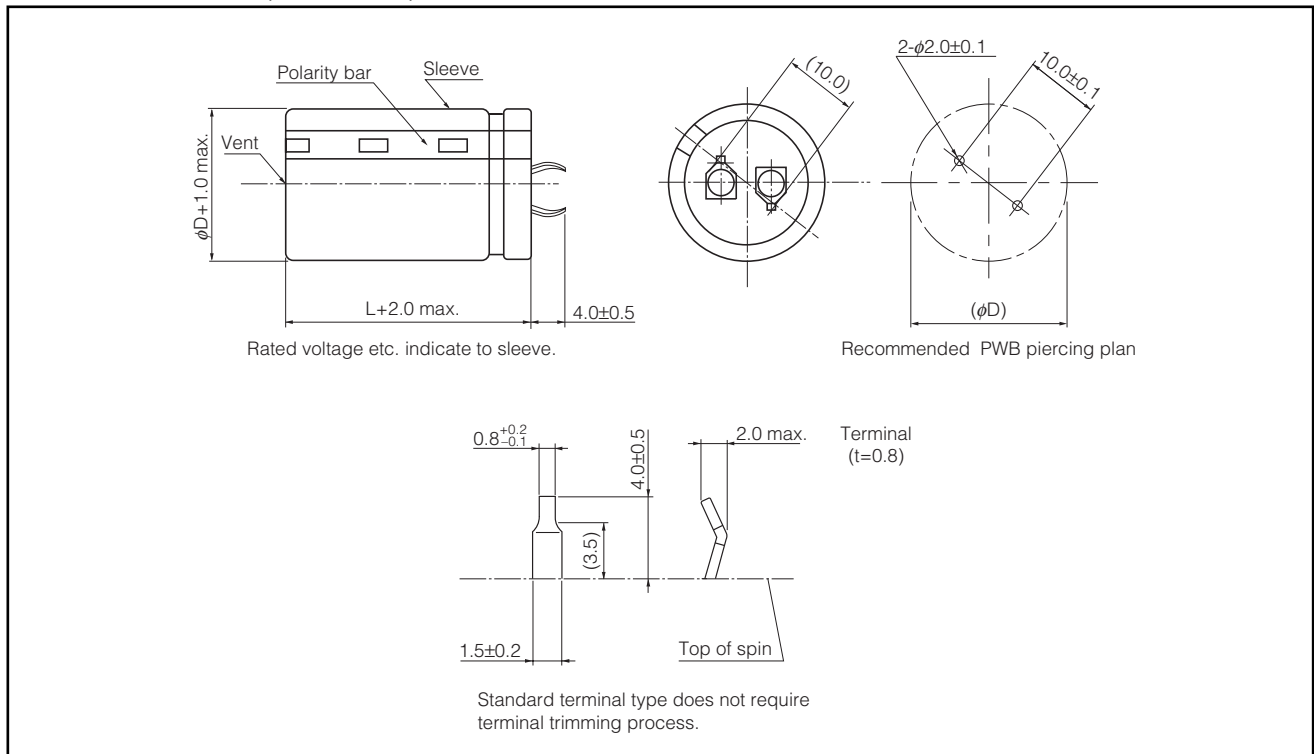
- Endurance : 85 °C 2000 h
- 30 % Smaller than series TS-UP
- RoHS directive compliant

■ Specifications

Category Temp. Range	-40 °C to +85 °C		-25 °C to +85 °C					
Rated W.V. Range	16 V.DC to 100 V.DC	160 V.DC to 250 V.DC	315 V.DC to 450 V.DC					
Nominal Cap. Range	1000 μF to 100000 μF	270 μF to 3900 μF	82 μF to 1000 μF					
Capacitance Tolerance	±20 % (120 Hz/+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	1 k	10 k to
	16 V.DC to 100 V.DC /C.F.	0.93	0.95	0.99	1.00	1.05	1.08	1.15
	160 V.DC to 450 V.DC /C.F.	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 +85 °C±2 °C, the capacitors 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 °C±2 °C within 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)

(mm)



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00 Sep. 2010

■ Standard Products

W.V. (V. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
16	12000	22	25	EETUQ1C123HJ	4.5	0.50	200
	15000	22	30	EETUQ1C153HJ	5.3	0.50	200
	18000	22	35	EETUQ1C183HJ	5.6	0.50	200
		25	25	EETUQ1C183JJ	5.6	0.50	200
	22000	22	40	EETUQ1C223HJ	6.1	0.50	200
		25	30	EETUQ1C223JJ	6.1	0.50	200
	27000	22	45	EETUQ1C273HJ	6.3	0.50	200
		25	35	EETUQ1C273JJ	6.3	0.50	200
		30	25	EETUQ1C273KJ	6.3	0.50	200
	33000	22	50	EETUQ1C333HJ	6.8	0.50	200
		25	40	EETUQ1C333JJ	6.8	0.50	200
		30	30	EETUQ1C333KJ	6.8	0.50	200
		35	25	EETUQ1C333LJ	6.8	0.50	200
	39000	25	45	EETUQ1C393JJ	6.9	0.56	200
		30	35	EETUQ1C393KJ	6.9	0.56	100
	47000	25	50	EETUQ1C473JJ	7.5	0.64	200
		30	40	EETUQ1C473KJ	7.5	0.64	100
		35	30	EETUQ1C473LJ	7.5	0.64	200
	56000	30	45	EETUQ1C563KJ	8.7	0.73	100
		35	35	EETUQ1C563LJ	8.7	0.73	100
68000	30	50	EETUQ1C683KJ	9.1	0.85	100	
	35	40	EETUQ1C683LJ	9.1	0.85	100	
*	82000	35	45	EETUQ1C823LJ	9.5	0.99	100
*	100000	35	50	EETUQ1C104LJ	10.2	1.17	100
25	8200	22	25	EETUQ1E822HJ	3.6	0.40	200
	10000	22	30	EETUQ1E103HJ	3.8	0.40	200
	12000	22	30	EETUQ1E123HJ	4.1	0.40	200
		25	25	EETUQ1E123JJ	4.1	0.40	200
	15000	22	35	EETUQ1E153HJ	4.6	0.40	200
		25	30	EETUQ1E153JJ	4.6	0.40	200
	18000	22	40	EETUQ1E183HJ	5.5	0.40	200
		25	35	EETUQ1E183JJ	5.5	0.40	200
		30	25	EETUQ1E183KJ	5.5	0.40	200
	22000	22	45	EETUQ1E223HJ	6.1	0.40	200
		25	40	EETUQ1E223JJ	6.1	0.40	200
		30	30	EETUQ1E223KJ	6.1	0.40	200
		35	25	EETUQ1E223LJ	6.1	0.40	200
	27000	25	45	EETUQ1E273JJ	6.2	0.40	200
		30	35	EETUQ1E273KJ	6.2	0.40	100
	33000	25	50	EETUQ1E333JJ	6.8	0.40	200
		30	40	EETUQ1E333KJ	6.8	0.40	100
		35	30	EETUQ1E333LJ	6.8	0.40	200
	39000	30	45	EETUQ1E393KJ	7.4	0.46	100
		35	35	EETUQ1E393LJ	7.4	0.46	100
47000	30	50	EETUQ1E473KJ	8.0	0.54	100	
	35	40	EETUQ1E473LJ	8.0	0.54	100	
*	56000	35	45	EETUQ1E563LJ	8.7	0.63	100
*	68000	35	50	EETUQ1E683LJ	9.6	0.75	100

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

* 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.)

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.

■ Standard Products

W.V.	Cap. (120 Hz) (±20 %)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
35	5600	22	25	EETUQ1V562HJ	3.4	0.35	200
	6800	22	30	EETUQ1V682HJ	3.7	0.35	200
	8200	22	30	EETUQ1V822HJ	4.0	0.35	200
		25	25	EETUQ1V822JJ	4.0	0.35	200
	10000	22	35	EETUQ1V103HJ	4.4	0.35	200
		25	30	EETUQ1V103JJ	4.4	0.35	200
	12000	22	40	EETUQ1V123HJ	5.1	0.35	200
		25	35	EETUQ1V123JJ	5.1	0.35	200
		30	25	EETUQ1V123KJ	5.1	0.35	200
	15000	22	45	EETUQ1V153HJ	5.6	0.35	200
		25	40	EETUQ1V153JJ	5.6	0.35	200
	18000	25	45	EETUQ1V183JJ	5.7	0.35	200
		30	30	EETUQ1V183KJ	5.7	0.35	200
		35	25	EETUQ1V183LJ	5.7	0.35	200
	22000	25	50	EETUQ1V223JJ	6.1	0.35	200
		30	35	EETUQ1V223KJ	6.1	0.35	100
		35	30	EETUQ1V223LJ	6.1	0.35	200
	27000	30	45	EETUQ1V273KJ	6.8	0.35	100
		35	35	EETUQ1V273LJ	6.8	0.35	100
	33000	30	50	EETUQ1V333KJ	7.2	0.35	100
35		40	EETUQ1V333LJ	7.2	0.35	100	
*	39000	35	45	EETUQ1V393LJ	7.7	0.41	100
*	47000	35	50	EETUQ1V473LJ	8.5	0.49	100
50	3300	22	25	EETUQ1H332HJ	2.7	0.30	200
	3900	22	30	EETUQ1H392HJ	2.8	0.30	200
	4700	22	30	EETUQ1H472HJ	3.0	0.30	200
		25	25	EETUQ1H472JJ	3.0	0.30	200
	5600	22	35	EETUQ1H562HJ	3.4	0.30	200
	6800	22	40	EETUQ1H682HJ	3.9	0.30	200
		25	30	EETUQ1H682JJ	3.9	0.30	200
		30	25	EETUQ1H682KJ	3.9	0.30	200
	8200	22	45	EETUQ1H822HJ	4.4	0.30	200
		25	35	EETUQ1H822JJ	4.4	0.30	200
	10000	22	50	EETUQ1H103HJ	5.0	0.30	200
		25	40	EETUQ1H103JJ	5.0	0.30	200
		30	30	EETUQ1H103KJ	5.0	0.30	200
		35	25	EETUQ1H103LJ	5.0	0.30	200
	12000	25	45	EETUQ1H123JJ	5.6	0.30	200
		30	35	EETUQ1H123KJ	5.6	0.30	100
		35	30	EETUQ1H123LJ	5.6	0.30	200
	15000	30	40	EETUQ1H153KJ	6.4	0.30	100
35		35	EETUQ1H153LJ	6.4	0.30	100	
18000	30	45	EETUQ1H183KJ	6.9	0.30	100	
	35	40	EETUQ1H183LJ	6.9	0.30	100	
*	22000	35	45	EETUQ1H223LJ	7.6	0.30	100
*	27000	35	50	EETUQ1H273LJ	8.3	0.30	100

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

* 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. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
63	2200	22	25	EETUQ1J222HJ	2.5	0.30	200
	2700	22	30	EETUQ1J272HJ	3.7	0.30	200
	3300	22	30	EETUQ1J332HJ	4.1	0.30	200
		25	25	EETUQ1J332JJ	4.1	0.30	200
	3900	22	35	EETUQ1J392HJ	4.4	0.30	200
		25	30	EETUQ1J392JJ	4.4	0.30	200
	4700	22	40	EETUQ1J472HJ	4.9	0.30	200
		25	35	EETUQ1J472JJ	4.9	0.30	200
		30	25	EETUQ1J472KJ	4.9	0.30	200
	5600	22	45	EETUQ1J562HJ	5.4	0.30	200
		25	40	EETUQ1J562JJ	5.4	0.30	200
	6800	25	45	EETUQ1J682JJ	5.8	0.30	200
		30	30	EETUQ1J682KJ	5.8	0.30	200
		35	25	EETUQ1J682LJ	6.0	0.30	200
	8200	25	50	EETUQ1J822JJ	6.0	0.30	200
		30	35	EETUQ1J822KJ	6.0	0.30	100
		35	30	EETUQ1J822LJ	6.5	0.30	200
	10000	30	40	EETUQ1J103KJ	6.5	0.30	100
		35	35	EETUQ1J103LJ	6.5	0.30	100
	12000	30	45	EETUQ1J123KJ	7.2	0.30	100
	35	40	EETUQ1J123LJ	7.2	0.30	100	
*	15000	35	45	EETUQ1J153LJ	7.9	0.30	100
*	18000	35	50	EETUQ1J183LJ	8.6	0.30	100
80	1500	22	25	EETUQ1K152HJ	2.3	0.25	200
	1800	22	30	EETUQ1K182HJ	2.5	0.25	200
	2200	22	35	EETUQ1K222HJ	2.7	0.25	200
		25	25	EETUQ1K222JJ	2.7	0.25	200
	2700	22	40	EETUQ1K272HJ	2.8	0.25	200
		25	30	EETUQ1K272JJ	2.8	0.25	200
	3300	22	45	EETUQ1K332HJ	3.2	0.25	200
		25	35	EETUQ1K332JJ	3.2	0.25	200
		30	25	EETUQ1K332KJ	3.2	0.25	200
	3900	22	50	EETUQ1K392HJ	3.6	0.25	200
		25	40	EETUQ1K392JJ	3.6	0.25	200
	4700	25	45	EETUQ1K472JJ	4.1	0.25	200
		30	30	EETUQ1K472KJ	4.1	0.25	200
	5600	25	50	EETUQ1K562JJ	4.6	0.25	200
		30	35	EETUQ1K562KJ	4.6	0.25	100
		35	30	EETUQ1K562LJ	4.6	0.25	200
	6800	30	45	EETUQ1K682KJ	5.2	0.25	100
		35	35	EETUQ1K682LJ	5.2	0.25	100
	8200	30	50	EETUQ1K822KJ	5.8	0.25	100
		35	40	EETUQ1K822LJ	5.8	0.25	100
*	10000	35	45	EETUQ1K103LJ	6.4	0.25	100
*	12000	35	50	EETUQ1K123LJ	7.0	0.25	100

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

* 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. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
100	1000	22	25	EETUQ2A102HJ	2.0	0.25	200
	1200	22	30	EETUQ2A122HJ	2.3	0.25	200
		25	25	EETUQ2A122JJ	2.3	0.25	200
	1500	22	30	EETUQ2A152HJ	2.6	0.25	200
	1800	22	35	EETUQ2A182HJ	2.8	0.25	200
		25	30	EETUQ2A182JJ	2.8	0.25	200
	2200	22	45	EETUQ2A222HJ	3.1	0.25	200
		25	35	EETUQ2A222JJ	3.1	0.25	200
		30	25	EETUQ2A222KJ	3.1	0.25	200
	2700	22	50	EETUQ2A272HJ	3.7	0.25	200
		25	40	EETUQ2A272JJ	3.7	0.25	200
		30	30	EETUQ2A272KJ	3.7	0.25	200
		35	25	EETUQ2A272LJ	3.7	0.25	200
	3300	25	45	EETUQ2A332JJ	4.1	0.25	200
		30	35	EETUQ2A332KJ	4.1	0.25	100
	3900	25	50	EETUQ2A392JJ	4.5	0.25	200
		30	40	EETUQ2A392KJ	4.5	0.25	100
		35	30	EETUQ2A392LJ	4.5	0.25	200
	4700	30	45	EETUQ2A472KJ	5.1	0.25	100
		35	35	EETUQ2A472LJ	5.1	0.25	100
5600	30	50	EETUQ2A562KJ	5.8	0.25	100	
	35	40	EETUQ2A562LJ	5.8	0.25	100	
*	6800	35	45	EETUQ2A682LJ	6.6	0.25	100
*	8200	35	50	EETUQ2A822LJ	7.2	0.25	100

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

* 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.)

■ Standard Products

W.V. (V. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
160	560	22	25	EETUQ2C561HJ	2.25	0.15	200
	680	22	30	EETUQ2C681HJ	2.50	0.15	200
	820	22	35	EETUQ2C821HJ	2.75	0.15	200
	1000	22	40	EETUQ2C102HJ	3.00	0.15	200
		25	30	EETUQ2C102JJ	3.00	0.15	200
	1200	22	45	EETUQ2C122HJ	3.25	0.15	200
		25	35	EETUQ2C122JJ	3.25	0.15	200
		30	25	EETUQ2C122KJ	3.25	0.15	200
	1500	22	50	EETUQ2C152HJ	3.73	0.15	200
		25	40	EETUQ2C152JJ	3.73	0.15	200
		30	30	EETUQ2C152KJ	3.73	0.15	200
		35	25	EETUQ2C152LJ	3.73	0.15	200
	1800	25	45	EETUQ2C182JJ	4.20	0.15	200
		30	35	EETUQ2C182KJ	4.20	0.15	100
		35	30	EETUQ2C182LJ	4.20	0.15	200
	2200	30	40	EETUQ2C222KJ	4.78	0.15	100
		35	35	EETUQ2C222LJ	4.78	0.15	100
	2700	30	45	EETUQ2C272KJ	5.45	0.15	100
		35	40	EETUQ2C272LJ	5.45	0.15	100
	*	3300	35	45	EETUQ2C332LJ	5.75	0.15
*	3900	35	50	EETUQ2C392LJ	6.00	0.15	100
180	470	22	25	EETUQ2P471HJ	2.08	0.15	200
	560	22	30	EETUQ2P561HJ	2.25	0.15	200
	680	22	30	EETUQ2P681HJ	2.50	0.15	200
		25	25	EETUQ2P681JJ	2.50	0.15	200
	820	22	35	EETUQ2P821HJ	2.75	0.15	200
		25	30	EETUQ2P821JJ	2.75	0.15	200
	1000	22	45	EETUQ2P102HJ	3.00	0.15	200
		25	35	EETUQ2P102JJ	3.00	0.15	200
		30	25	EETUQ2P102KJ	3.00	0.15	200
	1200	22	50	EETUQ2P122HJ	3.31	0.15	200
		25	40	EETUQ2P122JJ	3.31	0.15	200
		30	30	EETUQ2P122KJ	3.31	0.15	200
		35	25	EETUQ2P122LJ	3.31	0.15	200
	1500	25	45	EETUQ2P152JJ	3.83	0.15	200
		30	35	EETUQ2P152KJ	3.83	0.15	100
		35	30	EETUQ2P152LJ	3.83	0.15	200
	1800	25	50	EETUQ2P182JJ	4.32	0.15	200
		30	40	EETUQ2P182KJ	4.32	0.15	100
		35	30	EETUQ2P182LJ	4.32	0.15	200
	2200	30	45	EETUQ2P222KJ	4.92	0.15	100
35		40	EETUQ2P222LJ	4.92	0.15	100	
2700	30	50	EETUQ2P272KJ	5.52	0.15	100	
	35	45	EETUQ2P272LJ	5.52	0.15	100	
*	3300	35	50	EETUQ2P332LJ	5.75	0.15	100

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

* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.
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■ Standard Products

W.V. (V. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
200	390	22	25	EETUQ2D391HJ	1.68	0.15	200
	470	22	30	EETUQ2D471HJ	1.85	0.15	200
	560	22	30	EETUQ2D561HJ	2.43	0.15	200
		25	25	EETUQ2D561JJ	2.43	0.15	200
	680	22	35	EETUQ2D681HJ	2.68	0.15	200
		25	30	EETUQ2D681JJ	2.68	0.15	200
	820	22	40	EETUQ2D821HJ	2.93	0.15	200
		25	30	EETUQ2D821JJ	2.93	0.15	200
		30	25	EETUQ2D821KJ	2.93	0.15	200
	1000	22	45	EETUQ2D102HJ	3.25	0.15	200
		25	35	EETUQ2D102JJ	3.25	0.15	200
		30	30	EETUQ2D102KJ	3.25	0.15	200
		35	25	EETUQ2D102LJ	3.25	0.15	200
	1200	22	50	EETUQ2D122HJ	3.50	0.15	200
		25	40	EETUQ2D122JJ	3.50	0.15	200
		30	30	EETUQ2D122KJ	3.50	0.15	200
	1500	25	50	EETUQ2D152JJ	3.87	0.15	200
		30	35	EETUQ2D152KJ	3.87	0.15	100
		35	30	EETUQ2D152LJ	3.87	0.15	200
	1800	30	45	EETUQ2D182KJ	4.32	0.15	100
35		35	EETUQ2D182LJ	4.32	0.15	100	
2200	30	50	EETUQ2D222KJ	4.92	0.15	100	
	35	40	EETUQ2D222LJ	4.92	0.15	100	
*	2700	35	50	EETUQ2D272LJ	5.45	0.15	100
220	330	22	25	EETUQ2Q331HJ	1.58	0.15	200
	470	22	30	EETUQ2Q471HJ	1.99	0.15	200
		25	25	EETUQ2Q471JJ	1.99	0.15	200
	560	22	35	EETUQ2Q561HJ	2.28	0.15	200
		25	30	EETUQ2Q561JJ	2.28	0.15	200
	680	22	35	EETUQ2Q681HC	2.46	0.15	200
		22	40	EETUQ2Q681HJ	2.46	0.15	200
		25	30	EETUQ2Q681JJ	2.46	0.15	200
		30	25	EETUQ2Q681KJ	2.46	0.15	200
	820	22	45	EETUQ2Q821HJ	2.81	0.15	200
		25	35	EETUQ2Q821JJ	2.81	0.15	200
	1000	25	45	EETUQ2Q102JJ	3.29	0.15	200
		30	30	EETUQ2Q102KJ	3.29	0.15	200
	1200	25	50	EETUQ2Q122JJ	3.60	0.15	200
		30	35	EETUQ2Q122KJ	3.60	0.15	100
		35	30	EETUQ2Q122LJ	3.60	0.15	200
	1500	30	45	EETUQ2Q152KJ	3.92	0.15	100
		35	35	EETUQ2Q152LJ	3.92	0.15	100
	1800	30	50	EETUQ2Q182KJ	4.30	0.15	100
		35	40	EETUQ2Q182LJ	4.30	0.15	100
*	2200	35	50	EETUQ2Q222LJ	4.95	0.15	100

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

* 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. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
250	270	22	25	EETUQ2E271HJ	1.31	0.15	200
	330	22	30	EETUQ2E331HJ	1.75	0.15	200
	390	22	30	EETUQ2E391HJ	1.91	0.15	200
		25	25	EETUQ2E391JJ	1.91	0.15	200
	470	22	35	EETUQ2E471HJ	2.11	0.15	200
		25	30	EETUQ2E471JJ	2.11	0.15	200
	560	22	40	EETUQ2E561HJ	2.25	0.15	200
		25	30	EETUQ2E561JJ	2.25	0.15	200
		30	25	EETUQ2E561KJ	2.25	0.15	200
	680	22	45	EETUQ2E681HJ	2.50	0.15	200
		25	35	EETUQ2E681JJ	2.50	0.15	200
		30	30	EETUQ2E681KJ	2.50	0.15	200
	820	22	50	EETUQ2E821HJ	2.77	0.15	200
		25	40	EETUQ2E821JJ	2.77	0.15	200
		30	30	EETUQ2E821KJ	2.77	0.15	200
		35	25	EETUQ2E821LJ	2.77	0.15	200
	1000	25	45	EETUQ2E102JJ	3.32	0.15	200
		30	35	EETUQ2E102KJ	3.32	0.15	100
		35	30	EETUQ2E102LJ	3.32	0.15	200
	1200	30	40	EETUQ2E122KJ	3.53	0.15	100
35		35	EETUQ2E122LJ	3.53	0.15	100	
1500	30	50	EETUQ2E152KJ	4.04	0.15	100	
	35	40	EETUQ2E152LJ	4.04	0.15	100	
*	1800	35	45	EETUQ2E182LJ	4.55	0.15	100
*	2200	35	50	EETUQ2E222LJ	4.75	0.15	100
315	180	22	25	EETUQ2F181HJ	1.21	0.15	200
	220	22	30	EETUQ2F221HJ	1.41	0.15	200
	270	22	30	EETUQ2F271HJ	1.60	0.15	200
	330	22	40	EETUQ2F331HJ	1.82	0.15	200
		25	30	EETUQ2F331JJ	1.82	0.15	200
		30	25	EETUQ2F331KJ	1.82	0.15	200
	390	22	45	EETUQ2F391HJ	2.01	0.15	200
		25	35	EETUQ2F391JJ	2.01	0.15	200
		30	30	EETUQ2F391KJ	2.01	0.15	200
	470	22	50	EETUQ2F471HJ	2.27	0.15	200
		25	40	EETUQ2F471JJ	2.27	0.15	200
		30	30	EETUQ2F471KJ	2.27	0.15	200
		35	25	EETUQ2F471LJ	2.27	0.15	200
	560	25	45	EETUQ2F561JJ	2.56	0.15	200
		30	35	EETUQ2F561KJ	2.56	0.15	100
		35	30	EETUQ2F561LJ	2.56	0.15	200
	680	30	40	EETUQ2F681KJ	2.87	0.15	100
		35	35	EETUQ2F681LJ	2.87	0.15	100
	820	30	45	EETUQ2F821KJ	3.25	0.15	100
		35	40	EETUQ2F821LJ	3.25	0.15	100
1000	30	50	EETUQ2F102KJ	3.63	0.15	100	
	35	45	EETUQ2F102LJ	3.63	0.15	100	

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

* 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. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.	
350	150	22	25	EETUQ2V151HJ	1.12	0.15	200
	180	22	30	EETUQ2V181HJ	1.22	0.15	200
	220	22	35	EETUQ2V221HJ	1.44	0.15	200
	270	22	40	EETUQ2V271HJ	1.66	0.15	200
		25	30	EETUQ2V271JJ	1.66	0.15	200
	330	22	45	EETUQ2V331HJ	1.88	0.15	200
		25	35	EETUQ2V331JJ	1.88	0.15	200
	390	22	50	EETUQ2V391HJ	2.06	0.15	200
		25	40	EETUQ2V391JJ	2.06	0.15	200
		30	30	EETUQ2V391KJ	2.06	0.15	200
		35	25	EETUQ2V391LJ	2.06	0.15	200
	470	25	45	EETUQ2V471JJ	2.40	0.15	200
		30	35	EETUQ2V471KJ	2.40	0.15	100
		35	30	EETUQ2V471LJ	2.40	0.15	200
	560	25	50	EETUQ2V561JJ	2.60	0.15	200
		30	40	EETUQ2V561KJ	2.60	0.15	100
		35	30	EETUQ2V561LJ	2.60	0.15	200
	680	30	45	EETUQ2V681KJ	2.96	0.15	100
		35	35	EETUQ2V681LJ	2.96	0.15	100
	820	30	50	EETUQ2V821KJ	3.25	0.15	100
35		45	EETUQ2V821LJ	3.25	0.15	100	
*	1000	35	50	EETUQ2V102LJ	3.54	0.15	100
400	120	22	25	EETUQ2G121HJ	1.02	0.15	200
	150	22	30	EETUQ2G151HJ	1.16	0.15	200
	180	22	30	EETUQ2G181HC	1.44	0.15	200
		22	35	EETUQ2G181HJ	1.44	0.15	200
	220	22	35	EETUQ2G221HC	1.49	0.15	200
		22	40	EETUQ2G221HJ	1.49	0.15	200
		25	30	EETUQ2G221JJ	1.49	0.15	200
	270	22	45	EETUQ2G271HJ	1.67	0.15	200
		25	35	EETUQ2G271JJ	1.67	0.15	200
		30	25	EETUQ2G271KC	1.67	0.15	200
		30	30	EETUQ2G271KJ	1.67	0.15	200
	330	22	50	EETUQ2G331HJ	1.90	0.15	200
		25	40	EETUQ2G331JJ	1.90	0.15	200
		30	30	EETUQ2G331KJ	1.90	0.15	200
		35	25	EETUQ2G331LJ	1.90	0.15	200
	390	25	45	EETUQ2G391JJ	2.13	0.15	200
		30	35	EETUQ2G391KJ	2.13	0.15	100
		35	30	EETUQ2G391LJ	2.13	0.15	200
	470	25	50	EETUQ2G471JJ	2.39	0.15	200
		30	40	EETUQ2G471KJ	2.39	0.15	100
35		30	EETUQ2G471LJ	2.39	0.15	200	
560	30	45	EETUQ2G561KJ	2.69	0.15	100	
	35	35	EETUQ2G561LJ	2.69	0.15	100	
680	30	50	EETUQ2G681KJ	2.96	0.15	100	
	35	40	EETUQ2G681LC	2.96	0.15	100	
820	35	45	EETUQ2G821LC	3.25	0.15	100	
	35	50	EETUQ2G821LJ	3.25	0.15	100	

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

* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.
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■ Standard Products

W.V. (V. DC)	Cap. (120 Hz) (±20 %) (μ F)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	$\tan \delta$ (120 Hz) (+20 °C) max.	
420	120	22	25	EETUQ2S121HJ	1.08	0.15	200
	150	22	30	EETUQ2S151HJ	1.30	0.15	200
		25	25	EETUQ2S151JJ	1.30	0.15	200
	180	22	35	EETUQ2S181HJ	1.48	0.15	200
		25	30	EETUQ2S181JJ	1.48	0.15	200
	220	22	40	EETUQ2S221HJ	1.65	0.15	200
		25	35	EETUQ2S221JJ	1.65	0.15	200
		30	25	EETUQ2S221KJ	1.65	0.15	200
	270	22	45	EETUQ2S271HJ	1.94	0.15	200
		25	35	EETUQ2S271JC	1.94	0.15	200
		25	40	EETUQ2S271JJ	1.94	0.15	200
		30	30	EETUQ2S271KJ	1.94	0.15	200
	330	25	45	EETUQ2S331JJ	2.17	0.15	200
		30	30	EETUQ2S331KJ	2.17	0.15	200
		35	25	EETUQ2S331LJ	2.17	0.15	200
	390	25	50	EETUQ2S391JJ	2.27	0.15	200
		30	35	EETUQ2S391KJ	2.27	0.15	100
		35	30	EETUQ2S391LJ	2.27	0.15	200
	470	30	40	EETUQ2S471KJ	2.61	0.15	100
		35	35	EETUQ2S471LJ	2.61	0.15	100
560	30	45	EETUQ2S561KJ	2.82	0.15	100	
	35	40	EETUQ2S561LJ	2.82	0.15	100	
680	30	50	EETUQ2S681KC	3.11	0.15	100	
	35	45	EETUQ2S681LJ	3.11	0.15	100	
*	820	35	50	EETUQ2S821LJ	3.30	0.15	100

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

* 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.)

■ Standard Products

W.V. (V. DC)	Cap. (120 Hz) (±20 %) (μF)	Case size		Part No. PET sleeve Terminal Length 4.0 mm (Without Top Plate)	Specification		Min. Packaging Q'ty (pcs)	
		Dia. (mm)	Length (mm)		Ripple Current (120 Hz) (+85 °C) (A r.m.s.)	tan δ (120 Hz) (+20 °C) max.		
450	82	22	25	EETUQ2W820HJ	0.83	0.15	200	
	100	22	25	EETUQ2W101HJ	0.93	0.15	200	
	120	22	30	EETUQ2W121HJ	1.04	0.15	200	
	150		22	30	EETUQ2W151HC	1.19	0.15	200
			22	35	EETUQ2W151HJ	1.19	0.15	200
			25	25	EETUQ2W151JC	1.19	0.15	200
			25	30	EETUQ2W151JJ	1.19	0.15	200
	180		22	35	EETUQ2W181HC	1.35	0.15	200
			22	40	EETUQ2W181HJ	1.35	0.15	200
			25	30	EETUQ2W181JJ	1.35	0.15	200
	220		22	45	EETUQ2W221HJ	1.55	0.15	200
			25	35	EETUQ2W221JC	1.55	0.15	200
			25	40	EETUQ2W221JJ	1.55	0.15	200
			30	25	EETUQ2W221KC	1.55	0.15	200
			30	30	EETUQ2W221KJ	1.55	0.15	200
			35	25	EETUQ2W221LJ	1.55	0.15	200
	270		22	50	EETUQ2W271HJ	1.78	0.15	200
			25	40	EETUQ2W271JJ	1.78	0.15	200
			30	30	EETUQ2W271KJ	1.78	0.15	200
			35	25	EETUQ2W271LC	1.78	0.15	200
	330		25	45	EETUQ2W331JC	2.01	0.15	200
			25	50	EETUQ2W331JJ	2.01	0.15	200
			30	35	EETUQ2W331KC	2.01	0.15	100
			30	40	EETUQ2W331KJ	2.01	0.15	100
			35	30	EETUQ2W331LJ	2.01	0.15	200
	390		30	40	EETUQ2W391KJ	2.24	0.15	100
			35	30	EETUQ2W391LC	2.24	0.15	200
			35	35	EETUQ2W391LJ	2.24	0.15	100
	470		30	45	EETUQ2W471KJ	2.53	0.15	100
			35	35	EETUQ2W471LC	2.53	0.15	100
35			40	EETUQ2W471LJ	2.53	0.15	100	
560		30	50	EETUQ2W561KJ	2.82	0.15	100	
		35	40	EETUQ2W561LC	2.82	0.15	100	
*		35	45	EETUQ2W561LJ	2.82	0.15	100	
*	680	35	45	EETUQ2W681LC	3.00	0.15	100	

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

* When capacitors of φ35×45L and φ35×50L are mounted on PWB, reinforce them with mounting clamp or adhesives.
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