

UPGRADE

Metallized Polypropylene Film Capacitor

EZPQ series



Features

- High safety (Self-protecting function built-in)
- Long product life, High reliability
- Low loss, Low ESR
- Flame retardant (Case and sealing resin)
- High moisture resistance (85 °C, 85 %RH)
 - 330 V.AC : 280 V.AC, 1000 h
 - 380 V.AC : 320 V.AC, 1000 h
- RoHS compliant

Recommended applications

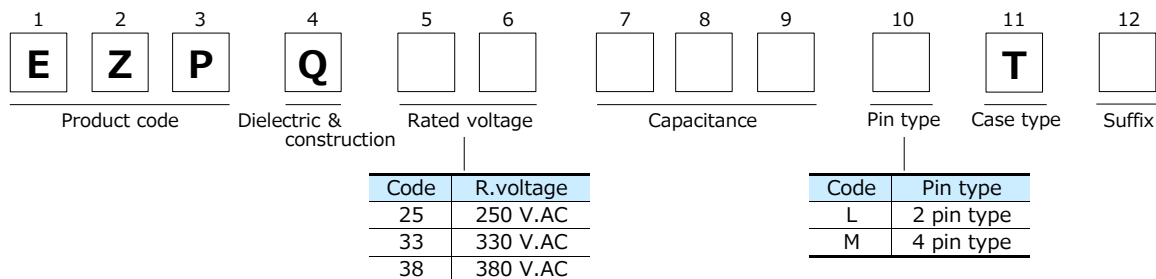
For AC filter

- Solar inverters
- UPS
- Industrial power supplies
- Inverter circuit in appliances (Air conditioners etc.)

Construction

- Dielectric : Polypropylene film
- Electrodes : Metallized dielectric with segmented pattern
- Plastic case : UL94 V-0
- Sealing : UL94 V-0
- Terminals : Tinned wires, 2-pin and 4-pin versions

Explanation of part number



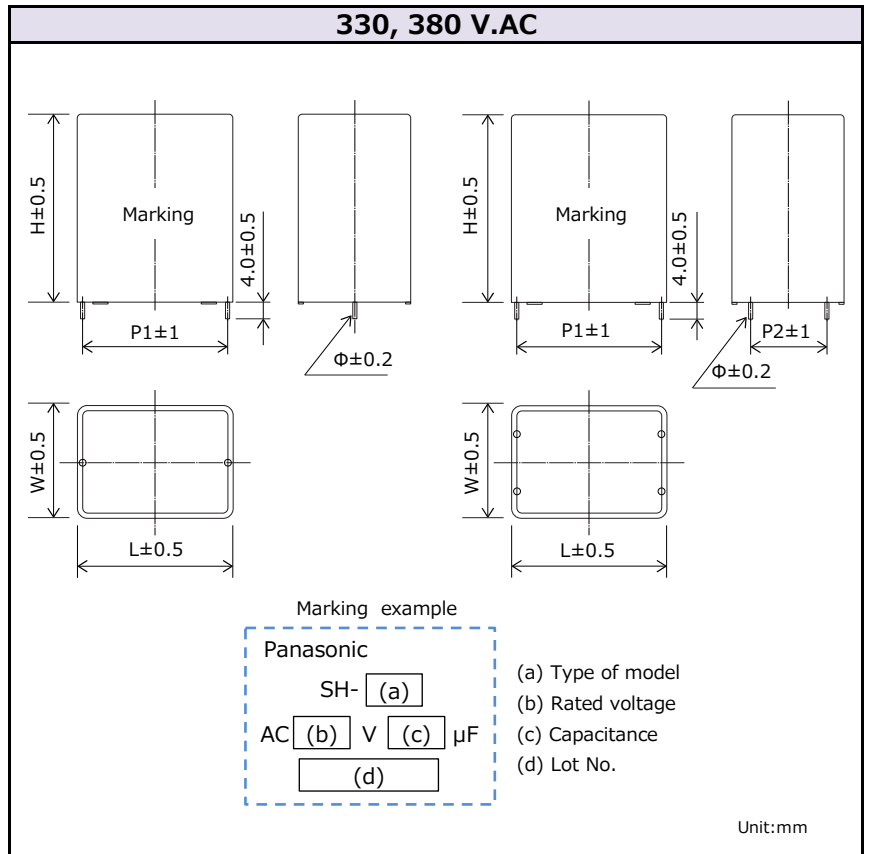
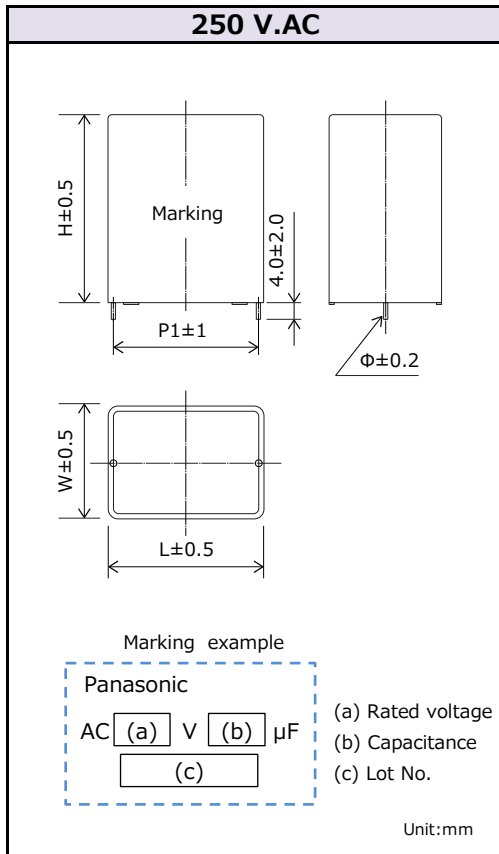
Specifications

Category temperature range *1	250 V.AC	-40 °C to +85 °C
	330 V.AC	-40 °C to +105 °C
	380 V.AC	
Rated voltage *2	250 V.AC	250 V.AC
	330 V.AC, 380 V.AC	(Derating of rated voltage by 1.0 %/°C at more than 85 °C)
Rated capacitance	250 V.AC	12, 22, 36 µF
	330 V.AC	3 µF to 20 µF
	380 V.AC	1 µF to 15 µF
Capacitance tolerance		±5%, ±10 %
Withstand voltage	250 V.AC	Between terminals : Rated voltage (V.AC) × 175 % 10 s
		Terminal to case : 2000 V.AC (50 Hz or 60 Hz), 10 s
	330 V.AC	Between terminals : Rated voltage (V.AC) × 150 % 60 s
		Terminal to case : 2000 V.AC (50 Hz or 60 Hz), 10 s
Insulation resistance (IR)	380 V.AC	CR ≥ 10,000 Ω·F (20 °C, 100 V.DC, 60 s)

*1 : The temperature of capacitor surface (case).

*2 : Use for AC voltage only.

Dimensions



Rating · Dimensions · Quantity

■ Rated voltage : 250 V.AC

Part No.	Capacitance (μF)	Dimensions (mm)						Mass (g)	Min. order Q'ty*1 (PCS)
		W	H	L	P1	P2	Φ		
EZPQ25126LTA	12	22	36	48.5	45.6	—	1.2	80	800
EZPQ25226LTA	22	30	45	57.5	52.5	—	1.2	107	200
EZPQ25366LTA	36	35	56	57.5	52.5	—	1.2	136	200

*1 : Minimum order quantity consists of 4 packing units.

Rating · Dimensions · Quantity

■ Rated voltage : 330 V.AC **NEW**

Part No.	Cap. Tol. (%)	Cap. (μF)	Dimensions (mm)						dv/dt (V/μs)	Permissible current		ESR* ³ (mΩ)	Mass (g)	Min. order Qty* ⁴ (PCS)
			W	H	L	P1	P2	Φ		Peak current* ¹ (A _{0-P})	RMS current* ² (A rms)			
EZPQ33305LTA	±5	3.0	17.0	34.5	41.0	37.5	-	1.0	23	69	5.0	23.0	38	1200
EZPQ33335LTA	±5	3.3	17.0	34.5	41.0	37.5	-	1.0	23	76	5.3	21.2	38	1200
EZPQ33355LTA	±5	3.5	17.0	34.5	41.0	37.5	-	1.0	23	81	5.6	20.0	39	1200
EZPQ33405LTA	±5	4.0	17.0	34.5	41.0	37.5	-	1.0	23	92	6.2	17.5	40	1200
EZPQ33455LTA	±5	4.5	17.0	34.5	41.0	37.5	-	1.0	23	104	6.8	15.9	39	1200
EZPQ33475LTA	±5	4.7	22.0	36.0	41.0	37.5	-	1.0	23	108	6.8	16.2	51	600
EZPQ33505LTA	±5	5.0	22.0	36.0	41.0	37.5	-	1.0	23	115	7.1	15.2	50	600
EZPQ33605LTA	±5	6.0	22.0	36.0	41.0	37.5	-	1.0	23	138	8.0	13.5	58	600
EZPQ33685LTA	±5	6.8	26.0	40.5	41.0	37.5	-	1.0	23	156	8.6	12.6	73	600
EZPQ33705LTA	±5	7.0	26.0	40.5	41.0	37.5	-	1.0	23	161	8.8	12.2	73	600
EZPQ33805LTA	±5	8.0	26.0	40.5	41.0	37.5	-	1.0	23	184	9.5	11.3	74	600
EZPQ33905LTA	±5	9.0	26.5	41.5	41.5	37.5	-	1.0	23	207	10.3	10.6	78	400
EZPQ33106LTA	±5	10.0	35.5	50.5	42.5	37.5	-	1.2	23	230	12.1	8.1	115	400
EZPQ33106LTB	±5	10.0	30.0	50.5	41.0	37.5	-	1.0	23	230	10.4	10.9	100	400
EZPQ33126LTA	±5	12.0	30.0	50.5	41.0	37.5	-	1.0	23	276	11.5	10.0	99	400
EZPQ33146LTA	±5	14.0	35.5	50.5	42.5	37.5	-	1.2	23	322	14.4	7.1	122	400
EZPQ33156LTA	±5	15.0	35.5	50.5	42.5	37.5	-	1.2	23	345	14.9	7.0	143	400
EZPQ33206LTB	±5	20.0	43.0	58.0	41.0	37.5	-	1.2	23	460	17.9	5.9	182	400
EZPQ33106MTA	±5	10.0	30.0	50.5	41.0	37.5	10.2	1.0	23	230	10.4	10.9	101	400
EZPQ33126MTA	±5	12.0	30.0	50.5	41.0	37.5	10.2	1.0	23	276	11.5	10.0	100	400
EZPQ33146MTA	±5	14.0	35.5	50.5	42.5	37.5	10.2	1.2	23	322	14.4	7.1	122	400
EZPQ33156MTA	±5	15.0	35.5	50.5	42.5	37.5	10.2	1.2	23	345	14.9	7.0	144	400
EZPQ33206MTA	±5	20.0	43.0	58.0	41.0	37.5	10.2	1.2	23	460	17.9	5.9	184	400

■ Rated voltage : 380 V.AC **NEW**

Part No.	Cap. Tol. (%)	Cap. (μF)	Dimensions (mm)						dv/dt (V/μs)	Permissible current		ESR* ³ (mΩ)	Mass (g)	Min. order Qty* ⁴ (PCS)
			W	H	L	P1	P2	Φ		Peak current* ¹ (A _{0-P})	RMS current* ² (A rms)			
EZPQ38105LTA	±5	1.0	15.0	29.0	41.0	37.5	-	1.0	50	50	2.1	71.6	27	1200
EZPQ38155LTA	±5	1.5	15.0	29.0	41.0	37.5	-	1.0	50	75	2.8	48.8	28	1200
EZPQ38205LTA	±5	2.0	15.0	29.0	41.0	37.5	-	1.0	50	100	3.5	36.6	29	1200
EZPQ38225LTB	±5	2.2	15.0	29.0	41.0	37.5	-	1.0	50	110	3.8	33.2	30	1200
EZPQ38255LTB	±5	2.5	15.0	29.0	41.0	37.5	-	1.0	50	125	4.1	29.2	31	1200
EZPQ38305LTA	±5	3.0	17.0	34.5	41.0	37.5	-	1.0	50	150	4.8	24.4	39	1200
EZPQ38335LTA	±5	3.3	17.0	34.5	41.0	37.5	-	1.0	50	165	5.2	22.1	38	1200
EZPQ38355LTA	±5	3.5	17.0	34.5	41.0	37.5	-	1.0	50	175	5.4	20.9	39	1200
EZPQ38405LTA	±5	4.0	22.0	36.0	41.0	37.5	-	1.0	50	200	6.0	18.3	50	600
EZPQ38455LTA	±5	4.5	22.0	36.0	41.0	37.5	-	1.0	50	225	6.5	16.7	52	600
EZPQ38475LTA	±5	4.7	22.0	36.0	41.0	37.5	-	1.0	50	235	6.7	16.0	51	600
EZPQ38505LTA	±5	5.0	22.0	36.0	41.0	37.5	-	1.0	50	250	7.1	15.1	59	600
EZPQ38555LTA	±5	5.5	26.0	40.5	41.0	37.5	-	1.0	50	275	7.4	14.4	71	600
EZPQ38605LTA	±5	6.0	26.0	40.5	41.0	37.5	-	1.0	50	300	7.8	13.7	73	600
EZPQ38705LTA	±5	7.0	26.0	40.5	41.0	37.5	-	1.0	50	350	8.7	12.2	74	600
EZPQ38755LTA	±5	7.5	26.5	41.5	41.5	37.5	-	1.0	50	375	9.1	11.8	78	400
EZPQ38805LTC	±10	8.0	26.5	41.5	41.5	37.5	-	1.0	70	560	10.0	6.0	78	400
EZPQ38805LTD	±5	8.0	27.5	42.0	41.5	37.5	-	1.0	50	400	9.2	11.9	80	600
EZPQ38855LTA	±5	8.5	30.0	50.5	41.0	37.5	-	1.0	50	425	9.5	11.7	101	400
EZPQ38905LTA	±5	9.0	30.0	50.5	41.0	37.5	-	1.0	50	450	9.8	11.4	100	400
EZPQ38955LTA	±5	9.5	30.0	50.5	41.0	37.5	-	1.0	50	475	10.1	11.0	100	400
EZPQ38106LTA	±5	10.0	30.0	50.5	41.0	37.5	-	1.0	50	500	10.4	10.8	100	400
EZPQ38126LTA	±5	12.0	30.0	56.0	41.5	37.5	-	1.2	50	600	12.7	8.0	122	400
EZPQ38156LTA	±5	15.0	38.0	57.5	42.0	37.5	-	1.2	50	750	14.6	7.1	157	400
EZPQ38805MTA	±5	8.0	27.5	42.0	41.5	37.5	10.2	1.0	50	400	9.2	11.9	81	600
EZPQ38855MTA	±5	8.5	30.0	50.5	41.0	37.5	10.2	1.0	50	425	9.5	11.7	102	400
EZPQ38905MTA	±5	9.0	30.0	50.5	41.0	37.5	10.2	1.0	50	450	9.8	11.4	101	400
EZPQ38955MTA	±5	9.5	30.0	50.5	41.0	37.5	10.2	1.0	50	475	10.1	11.0	101	400
EZPQ38106MTA	±5	10.0	30.0	50.5	41.0	37.5	10.2	1.0	50	500	10.4	10.8	101	400
EZPQ38126MTA	±5	12.0	30.0	56.0	41.5	37.5	10.2	1.2	50	600	12.7	8.0	124	400
EZPQ38156MTB	±5	15.0	38.0	57.5	42.0	37.5	10.2	1.2	50	750	14.6	7.1	159	400

*1 : When rising temperature of capacitor surface by continuous peak current(included pulse current), use within limit specified for temperature of capacitor surface and self heating temperature rise.

*2 : Maximum RMS current @ 85°C , 10kHz Use within limit for self heating temperature rise at capacitor surface.

*3 : 20 °C, 10 kHz

*4 : Minimum order quantity consists of 4 packing units.

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PRECAUTION AND WARNING

- Please consult us in case that demand the specification of our company without fail and do the confirmation of the use condition and that exceeds the entry value and be indistinct when you use it.
- The film capacitors contain a film based dielectric which may be flammable under certain operating conditions. When in use, they can either emit smoke and/or ignite should the product be defective. It is recommended covering the surrounding resin with flame-resistant materials or case as needed particularly.
- In the event of troubles of other parts on the circuit such as shortening and opening, provide with proper means for preventing excessive voltage, current or temperature exceeding the rating from being applied to the film capacitor.
- Prior to use, please make sure that failure of the film capacitors does not have any negative effects on other surrounding electronic circuit components and devices that would possibly cause damage. Proper safety measures should be taken using fail-safe protective circuit designs to help prevent other devices of becoming unsafe.

Example:

- a. State in which basic performance of automobiles (run, turn and stop)
 - b. False operations
 - c. Smoke emission/ignitions
- The Film Capacitor listed in this catalog(except for automotive series) are designed and manufactured specifically for general electronic devices, including audio-video equipment, home appliance, office equipment and data communication equipment etc.. Accordingly, it is strongly recommended that the user contact us in advance if the parts are to be used for the following devices(items 1 -12), which require having advanced security measures. The capacitor for automotive can be used for automobiles such as xEV.
 - (1) Transport Equipment (motor vehicles, airplanes, trains, ships, traffic signal controllers)
 - (2) Medical Equipment (life-support equipment, pacemakers for the heart, dialysis controllers)
 - (3) Aircraft Equipment, Aerospace Equipment (airplanes, artificial satellites, rockets, etc.)
 - (4) Submarine Equipment (submarine repeating equipment, etc.)
 - (5) Generation Control Equipment (equipment for atomic/hydraulic/heat power plants)
 - (6) Information Processing Equipment (large scale computer system)
 - (7) Electric Heating Appliance, Burning Apparatus
 - (8) Rotary Motion Equipment
 - (9) Security Systems
 - (10) Robots
 - (11) Lighting Equipment
 - (12) And any similar types of equipment
 - If used in a specific appliance that requires an extremely high reliability directly relating with any life-supporting equipment like electronic aviation controllers, automotive driving controllers and engine controllers, please consult us and use within the conditions designated in the specification. However the chip type capacitor should not be used in these appliances.

Note:

1. Technical information in this catalog is intended to convey examples of typical performances and/or applications, and is not intended to convey patents rights, if any.
2. For the products, which are controlled items subject to the Foreign Exchange and Foreign Trade Control Law, the export permission according to the Law is necessary.
3. Note of ozone depleting substances of class1 (ODS) under the Montreal Protocol is used in manufacturing process of Device Solutions Business Division, Panasonic Corporation.