

## Metallized Polypropylene Film Capacitor

Series : **EZPE Series (Low profile type)**



### Features

- High safety, Self-healing and Self-protecting function built-in
- Long product life, High reliability, High moisture resistance
- Low loss, Low ESR
- Flame retardant
- Low profile design
- RoHS directive compliant

### Recommended applications

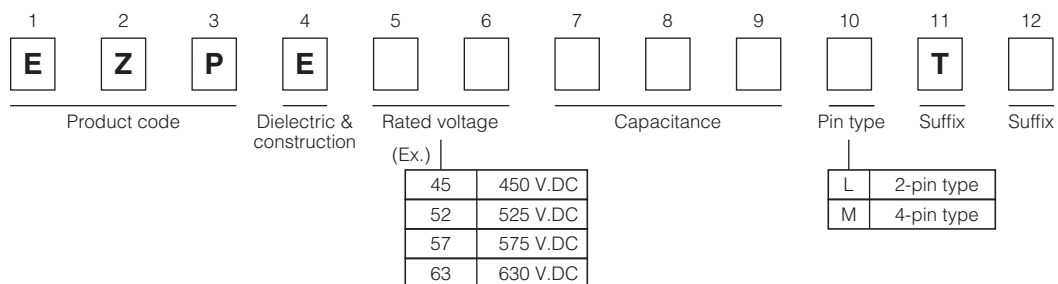
For DC filtering, DC link circuit

- Solar inverters, Micro inverters
- Wind power generation
- 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

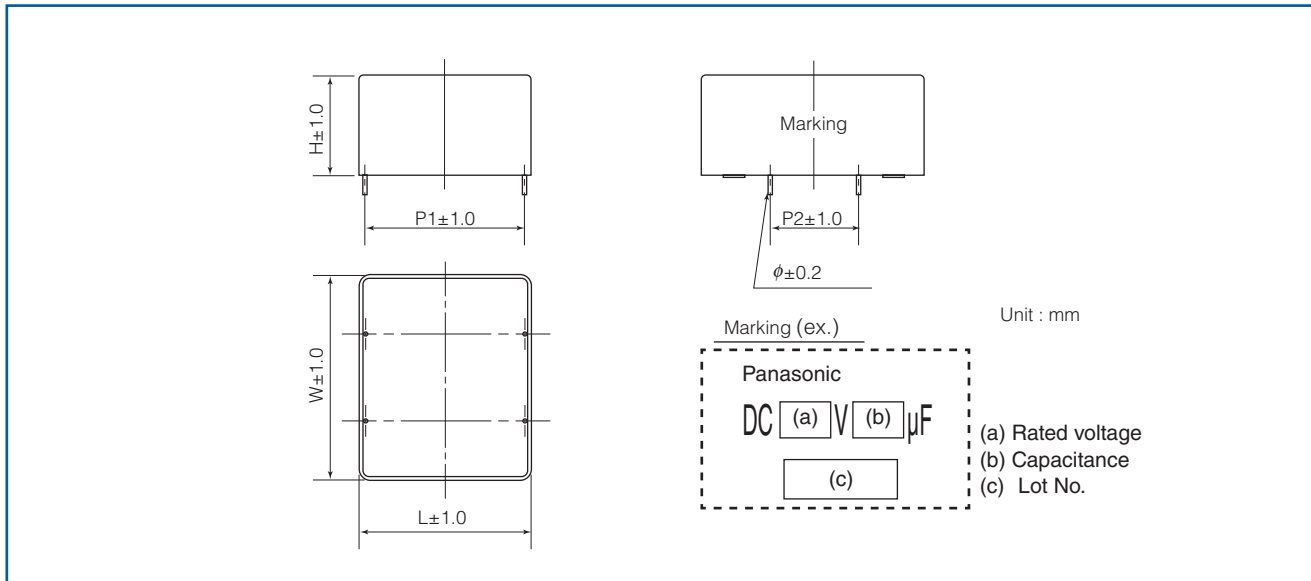
Category temperature range (T <sub>C</sub> ) *1	-40 °C to +85 °C	
Rated voltage(V <sub>R</sub> ) *2	450 V.DC, 525 V.DC, 575 V.DC, 630 V.DC (Derating of rated voltage by more than 70 °C *3)	
Rated capacitance (C <sub>R</sub> )	450 V.DC	66 μF
	525 V.DC	29 μF
	575 V.DC	12 μF
	630 V.DC	10 μF
Capacitance tolerance	±15 %	
Withstanding DC voltage	Between terminals : Rated voltage. (V.DC)×150 %, 10 s Terminal to case : 2000 V.AC (50 Hz or 60 Hz), 10 s	
Insulation resistance (CR)	CR ≥ 10000 Ω · F (20 °C, 500 V.DC, 60 s)	

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

\*2 : Use for DC voltage only

\*3 : Refer to the page of "DC voltage derating"

## Dimensions



## Rating · Dimensions · Quantity

- Rated voltage : 450 V.DC at 70 °C

Part No.	Cap. $C_R$ ( $\mu$ F)	Dimensions (mm)						dv/dt [V/ $\mu$ s]	Permissible current		ESR <sub>typ</sub> * <sup>3</sup> (m $\Omega$ )	tan $\delta$ * <sup>4</sup> (%)	Mass (g)	Min. order Q'ty * <sup>5</sup> (pcs)
		W	H	L	P1	P2	$\phi$		Peak Current * <sup>1</sup> (A <sub>o-p</sub> )	RMS Current * <sup>2</sup> (A <sub>rms</sub> )				
EZPE45666MTB	66	90	24	32.5	27.5	37.5	0.8	5	300	15.0	5.0	0.3	110	200

- Rated voltage : 525 V.DC at 70 °C

Part No.	Cap. $C_R$ ( $\mu$ F)	Dimensions (mm)						dv/dt [V/ $\mu$ s]	Permissible current		ESR <sub>typ</sub> * <sup>3</sup> (m $\Omega$ )	tan $\delta$ * <sup>4</sup> (%)	Mass (g)	Min. order Q'ty * <sup>5</sup> (pcs)
		W	H	L	P1	P2	$\phi$		Peak Current * <sup>1</sup> (A <sub>o-p</sub> )	RMS Current * <sup>2</sup> (A <sub>rms</sub> )				
EZPE52296MTB	29	48.5	23.5	37.0	34.0	20.3	0.8	14	400	3.0	7.0	0.4	50	400

- Rated voltage : 575 V.DC at 70 °C

Part No.	Cap. $C_R$ ( $\mu$ F)	Dimensions (mm)						dv/dt [V/ $\mu$ s]	Permissible current		ESR <sub>typ</sub> * <sup>3</sup> (m $\Omega$ )	tan $\delta$ * <sup>4</sup> (%)	Mass (g)	Min. order Q'ty * <sup>5</sup> (pcs)
		W	H	L	P1	P2	$\phi$		Peak Current * <sup>1</sup> (A <sub>o-p</sub> )	RMS Current * <sup>2</sup> (A <sub>rms</sub> )				
EZPE57126LTB	12	24.5	19.5	41.5	37.5	-	1.0	22	264	5.0	22.0	0.45	25	800

- Rated voltage : 630 V.DC at 70 °C

Part No.	Cap. $C_R$ ( $\mu$ F)	Dimensions (mm)						dv/dt [V/ $\mu$ s]	Permissible current		ESR <sub>typ</sub> * <sup>3</sup> (m $\Omega$ )	tan $\delta$ * <sup>4</sup> (%)	Mass (g)	Min. order Q'ty * <sup>5</sup> (pcs)
		W	H	L	P1	P2	$\phi$		Peak Current * <sup>1</sup> (A <sub>o-p</sub> )	RMS Current * <sup>2</sup> (A <sub>rms</sub> )				
EZPE63106LTB	10	24.5	19.5	41.5	37.5	-	1.0	21	210	3.0	22.0	0.45	25	800

\*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 @ 70 °C, 10 kHz  
Use within limit for self heating temperature rise at capacitor surface.

\*3 : Typical values @ 20 °C, 10 kHz ESR : less than 2.5×ESR<sub>typ</sub>

\*4 : Maximum dissipation factor @ 20 °C, 1 kHz

\*5 : Minimum order quantity consists of 4 packing units.

## Guidelines and precautions regarding the technical information and use of our products described in this online catalog.

- If you want to use our products described in this online catalog for applications requiring special qualities or reliability, or for applications where the failure or malfunction of the products may directly jeopardize human life or potentially cause personal injury (e.g. aircraft and aerospace equipment, traffic and transportation equipment, combustion equipment, medical equipment, accident prevention, anti-crime equipment, and/or safety equipment), it is necessary to verify whether the specifications of our products fit to such applications. Please ensure that you will ask and check with our inquiry desk as to whether the specifications of our products fit to such applications use before you use our products.
- The quality and performance of our products as described in this online catalog only apply to our products when used in isolation. Therefore, please ensure you evaluate and verify our products under the specific circumstances in which our products are assembled in your own products and in which our products will actually be used.
- If you use our products in equipment that requires a high degree of reliability, regardless of the application, it is recommended that you set up protection circuits and redundancy circuits in order to ensure safety of your equipment.
- The products and product specifications described in this online catalog are subject to change for improvement without prior notice. Therefore, please be sure to request and confirm the latest product specifications which explain the specifications of our products in detail, before you finalize the design of your applications, purchase, or use our products.
- The technical information in this online catalog provides examples of our products' typical operations and application circuits. We do not guarantee the non-infringement of third party's intellectual property rights and we do not grant any license, right, or interest in our intellectual property.
- If any of our products, product specifications and/or technical information in this online catalog is to be exported or provided to non-residents, the laws and regulations of the exporting country, especially with regard to security and export control, shall be observed.

## <Regarding the Certificate of Compliance with the EU RoHS Directive/REACH Regulations>

- The switchover date for compliance with the RoHS Directive/REACH Regulations varies depending on the part number or series of our products.
- When you use the inventory of our products for which it is unclear whether those products are compliant with the RoHS Directive/REACH Regulation, please select "Sales Inquiry" in the website inquiry form and contact us.

**We do not take any responsibility for the use of our products outside the scope of the specifications, descriptions, guidelines and precautions described in this online catalog.**

---