Metallized Polypropylene Film Capacitor

Type : 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

1	2	3	4	5	6	7	8	9	10	11	12
E	Z	P	E							T	
Product code			Dielectric & construction	Rated voltage		Capacitance			Pin type	Suffix	Suffix

(Ex.)

45	450 V.DC
52	525 V.DC
57	575 V.DC
63	630 V.DC

L	2-pin type
M	4-pin type

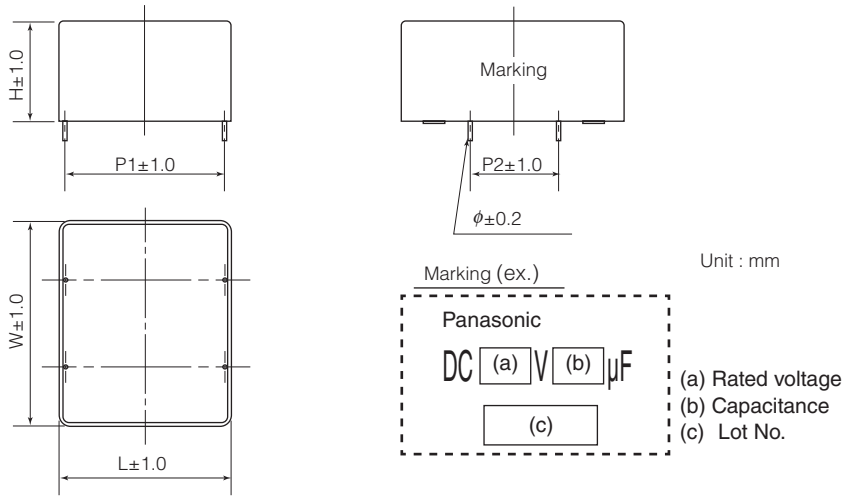
Specifications

Category temperature range (T_C) *1	–40 °C to +85 °C	
Rated voltage(V_R) *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_R)	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”

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.

Dimensions



Rating · Dimensions · Quantity

● Rated voltage : 450 V.DC at 70 °C

Part No.	Cap. C_R (μF)	Dimensions (mm)						dv/dt [V/μs]	Permissible current		ESR $_{typ}$ *3 (mΩ)	tan δ *4 (%)	Mass (g)	Min. order Q'ty *5 (pcs)
		W	H	L	P1	P2	ϕ		Peak Current *1 (A_{o-p})	RMS Current *2 (A_{rms})				
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 (μF)	Dimensions (mm)						dv/dt [V/μs]	Permissible current		ESR $_{typ}$ *3 (mΩ)	tan δ *4 (%)	Mass (g)	Min. order Q'ty *5 (pcs)
		W	H	L	P1	P2	ϕ		Peak Current *1 (A_{o-p})	RMS Current *2 (A_{rms})				
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 (μF)	Dimensions (mm)						dv/dt [V/μs]	Permissible current		ESR $_{typ}$ *3 (mΩ)	tan δ *4 (%)	Mass (g)	Min. order Q'ty *5 (pcs)
		W	H	L	P1	P2	ϕ		Peak Current *1 (A_{o-p})	RMS Current *2 (A_{rms})				
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 (μF)	Dimensions (mm)						dv/dt [V/μs]	Permissible current		ESR $_{typ}$ *3 (mΩ)	tan δ *4 (%)	Mass (g)	Min. order Q'ty *5 (pcs)
		W	H	L	P1	P2	ϕ		Peak Current *1 (A_{o-p})	RMS Current *2 (A_{rms})				
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 $_{typ}$
*4 : Maximum dissipation factor @ 20 °C, 1 kHz
*5 : Minimum order quantity consists of 4 packing units.

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