

Metalized Polypropylene Film Capacitor

Type: **ECWH(C)**

Designed for high frequency and pulse applications.

■ Features

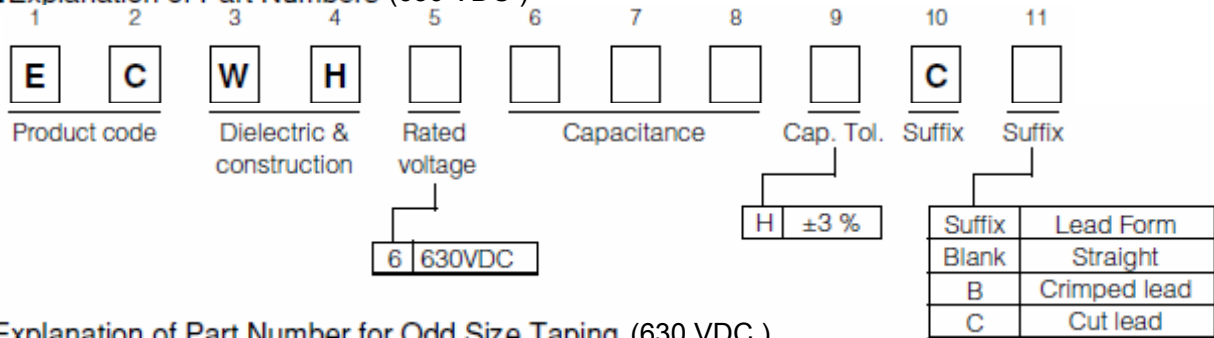
- Excellent electrical characteristics
- Low loss
- Flame-retardant epoxy resin coating
- RoHS directive compliant

■ Recommended Applications

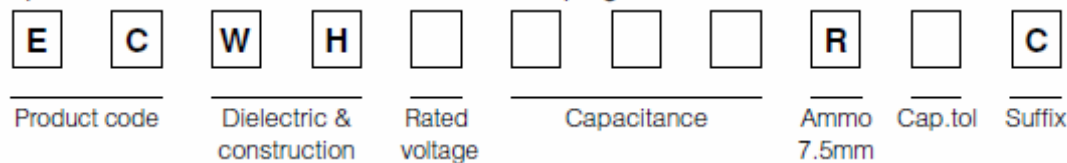
- General resonance circuit (630 VDC)
- Resonance circuits for microwave oven and IH cooker (630 VDC)
- Resonance circuits for microwave oven (630 VDC, 1250 VDC)



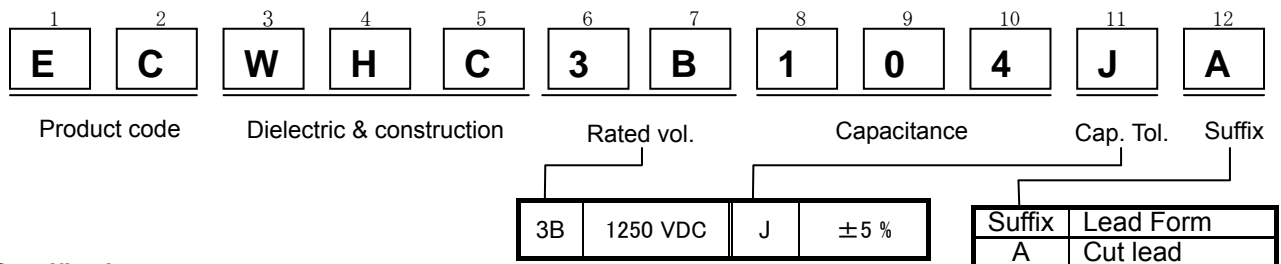
■ Explanation of Part Numbers (630 VDC)



■ Explanation of Part Number for Odd Size Taping (630 VDC)



■ Explanation of Part Number for Odd Size Taping (1250 VDC)

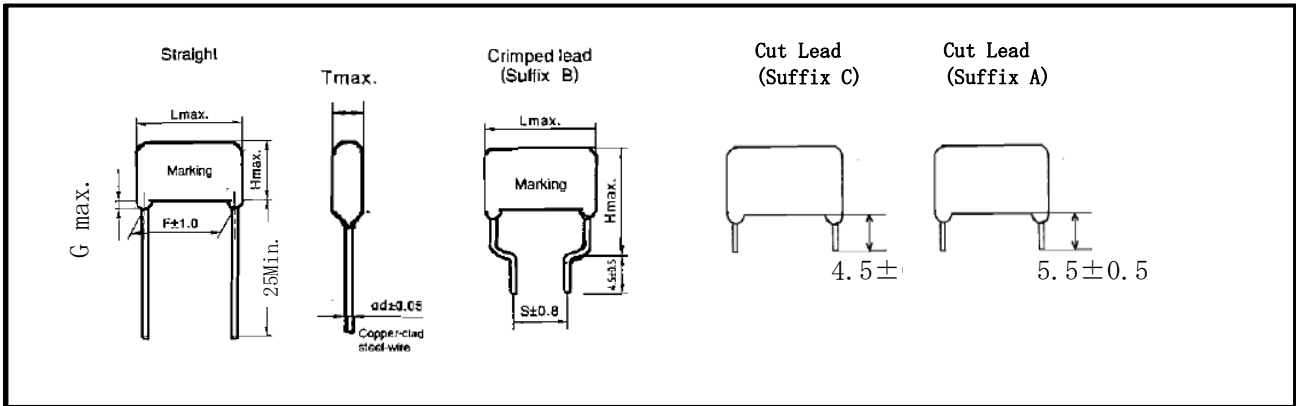


■ Specifications

Category temp. range (Including temperature-rise on unit surface)	630 VDC	-40 °C to +105 °C : General resonance circuit
	1250 VDC	-40 °C to +85 °C : When using compulsive air cooling for a resonance circuit
Rated voltage	630 VDC	1250 VDC
Capacitance range	0.18 μF to 0.33 μF	
Capacitance tolerance	±3%(H)	±5%(J)
Dissipation factor (tan δ)	tan δ ≤ 0.1 % (20 °C, 1 kHz), tan δ ≤ 0.2 % (20 °C, 10 kHz)	
Withstand voltage	Between terminals : Rated volt. (VDC) × 150 % 60 s	
Insulation resistance (IR)	IR ≥ 9000 MΩ (20 °C, 500 VDC, 60 s)	

※ In case of applying voltage in altering current (50Hz or 60Hz sine wave) to a capacitor with DC rated voltage, please refer to the page of "Permissible voltage (R.M.S) in altering current corresponding to DC rated voltage".

■ Dimensions in mm (not to scale)



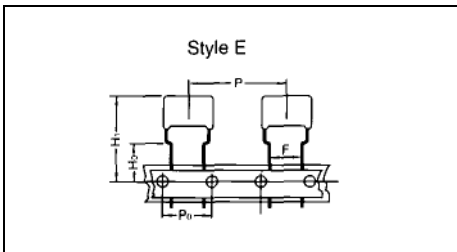
■ Packing Specifications for Bulk Package

Packing quantity : 100 pcs./ bag

■ Taping Specifications for Automatic Insertion

● Taping Style

※Refer to the page of taping specifications.



● Packaging Specifications

Type	Rated volt.	Cap. range (μF)	Taping style						Packing
			AD	AS	B	C	D	E	
ECWH(C)	630VDC	0.18 to 0.33						○	Ammo

■ Lead Spacing

Style	Lead Spacing
E	7.5mm

※See the column "Rating, Dimensions & Quality Box" for packing quantity.

■ Rating & Dimensions

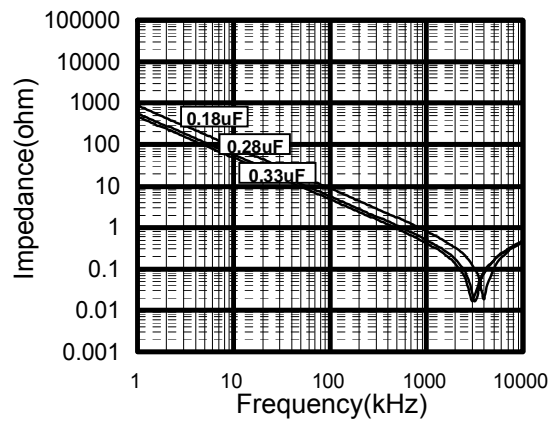
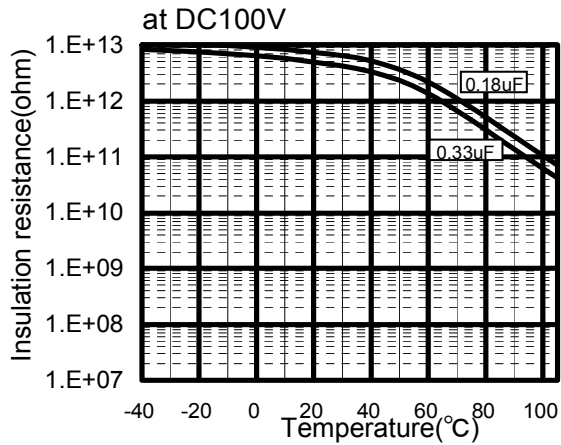
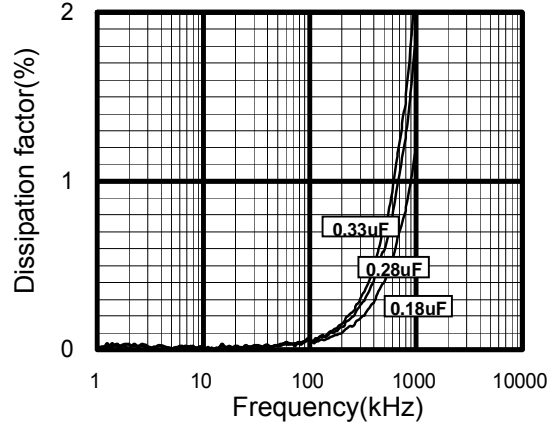
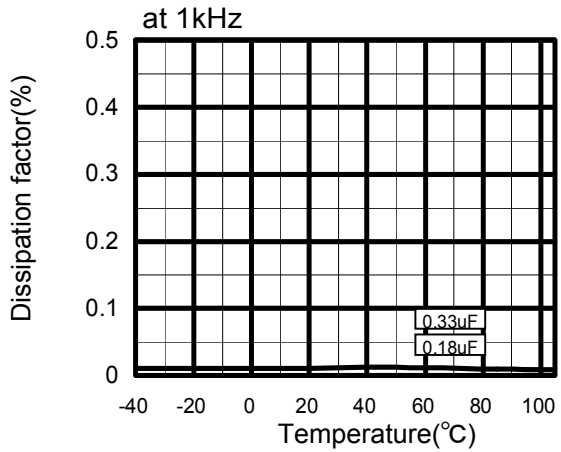
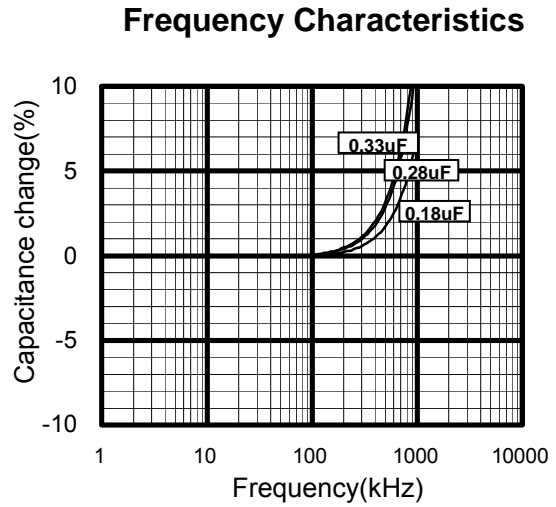
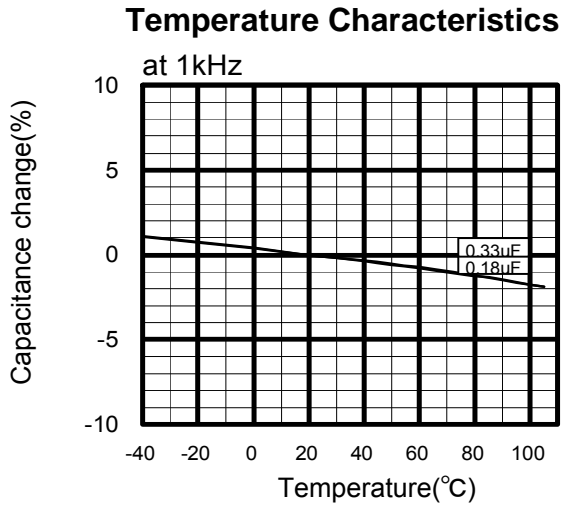
● Rated voltage : 630 VDC. Capacitance tolerance : ±3 % (H)

Part No.	Cap. (μF)	Dimensions (mm)								Min. order Q'ty		
		L ^{max}	T ^{max}	H ^{max}		F	S		G ^{max}	Φd	Taping 7.5mm	Bulk
				Straight	Crimped lead (Suffix B)		Crimped lead (Suffix B)					
ECWH6184HC()	0.18	20.7	11.5	16.3	21.3	17.5	10.0	1.5	0.8	250	1000	
ECWH6284HC()	0.28	20.7	14.3	19.1	24.1	17.5	10.0	1.5	0.8	200	700	
ECWH6304HC()	0.30	20.7	14.8	19.6	24.6	17.5	10.0	1.5	0.8			
ECWH6324HC()	0.32	20.7	14.5	20.9	25.9	17.5	10.0	1.5	0.8			
ECWH6334HC()	0.33	20.7	14.7	21.1	26.1	17.5	10.0	1.5	0.8			

● Rated voltage : 630 VDC. Capacitance tolerance : ±5 % (J)

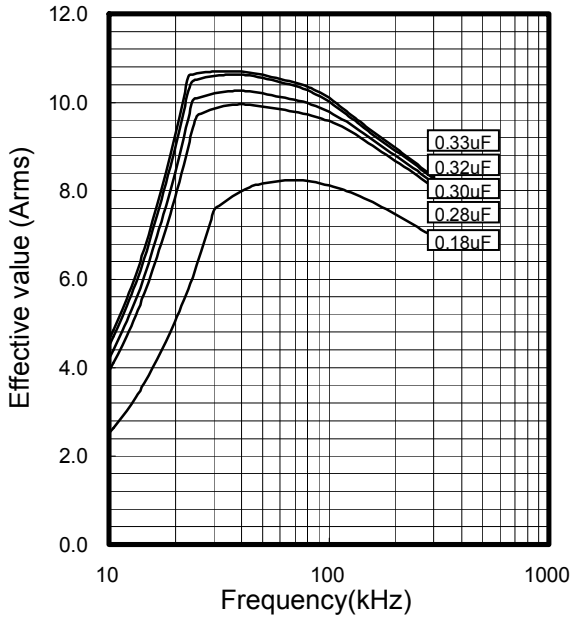
Part No.	Cap. (μF)	Dimensions (mm)						Min. order Q'ty
		L ^{max}	T ^{max}	H ^{max}	F	G ^{max}	Φd	Bulk
ECWHC3B104JA	0.10	20.7	13.5	20.6	17.5	1.5	0.8	700

ECWH (C) Type DC630V series (Metallized Polypropylene Film)
Electrical Characteristics <Typical Data >

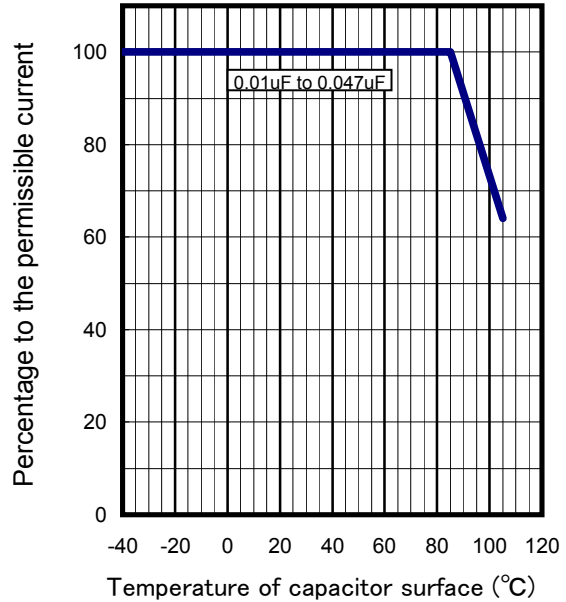


ECWH (C) Type DC630V series (Metallized Polypropylene Film)
Applicable Specifications

Permissible Current



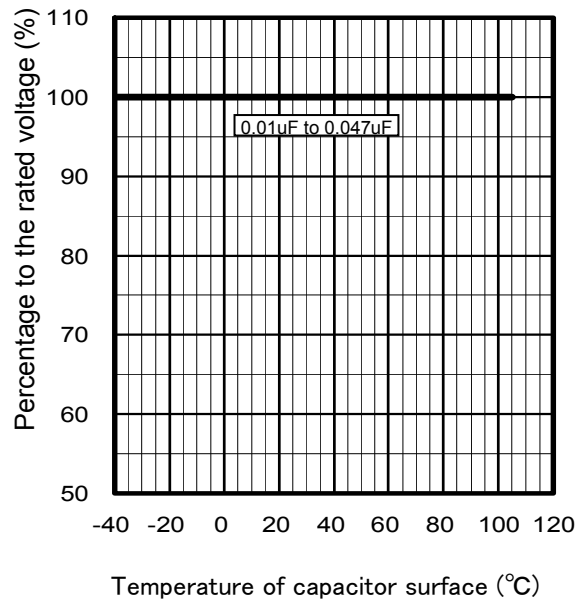
Permissible Current Derating by Temperature



Pulse Handling Capability (dv/dt)
 (Max 10000cycles)

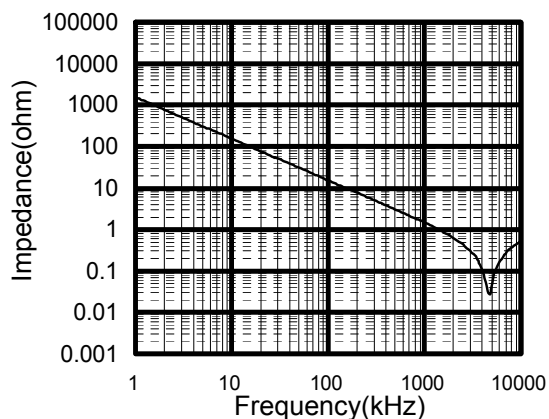
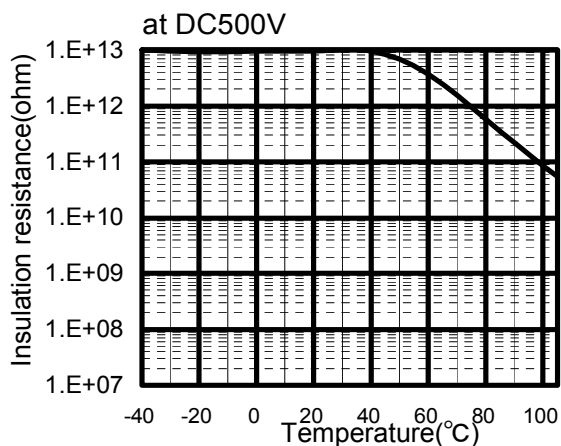
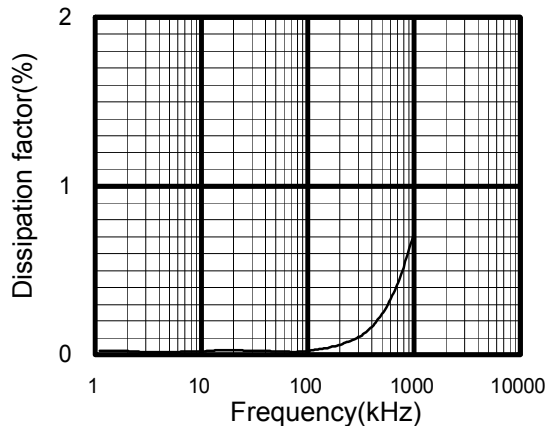
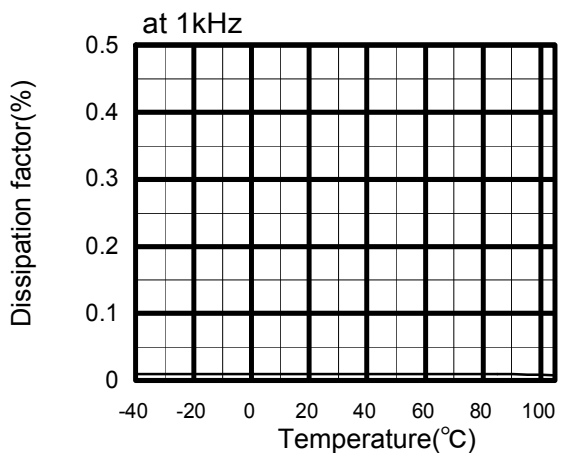
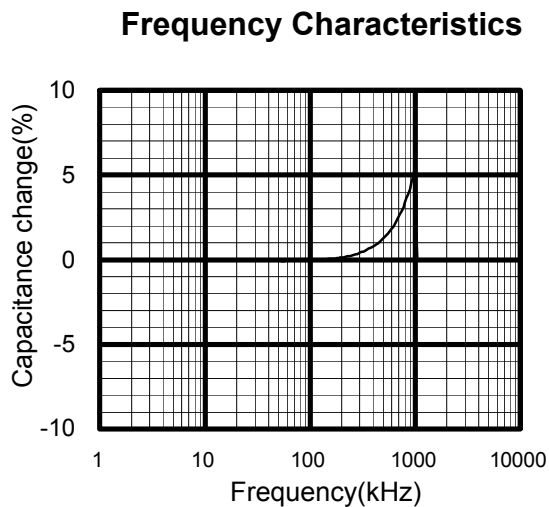
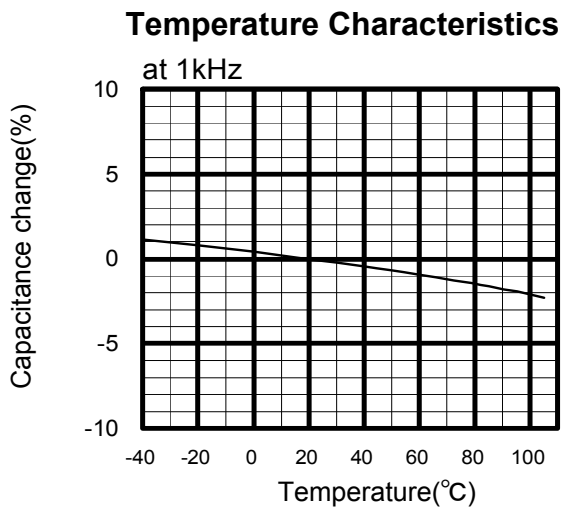
Rated Voltage	Capacitance (μF)	Code	dV/dt (V/μs)	Current (A0-P)
DC 630V	0.180	184	500	90
	0.280	284		140
	0.300	304		150
	0.320	324		160
	0.330	334		165

Voltage Derating by Temperature



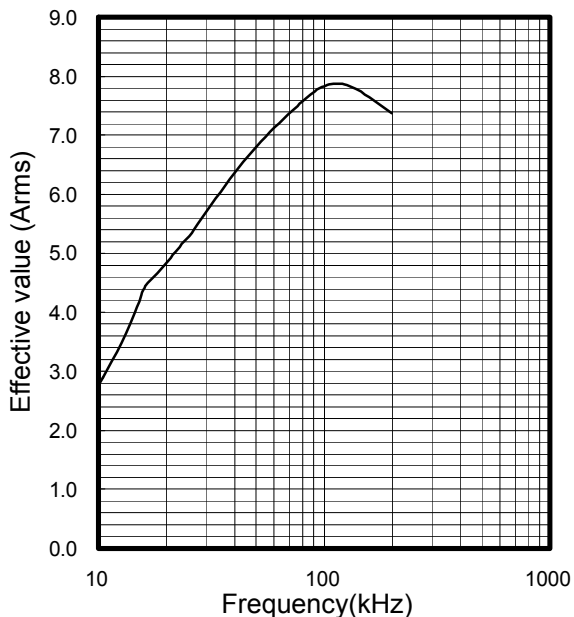
*Please consult Panasonic if your condition exceeds the above
 *P When you use this product, peak voltage must not exceed DC rated voltage.
 *The current(0-P) value is calculated using nominal capacitance.

ECWH (C) Type DC1250V series (Metallized Polypropylene Film)
Electrical Characteristics <Typical Data 0.1 μ F >

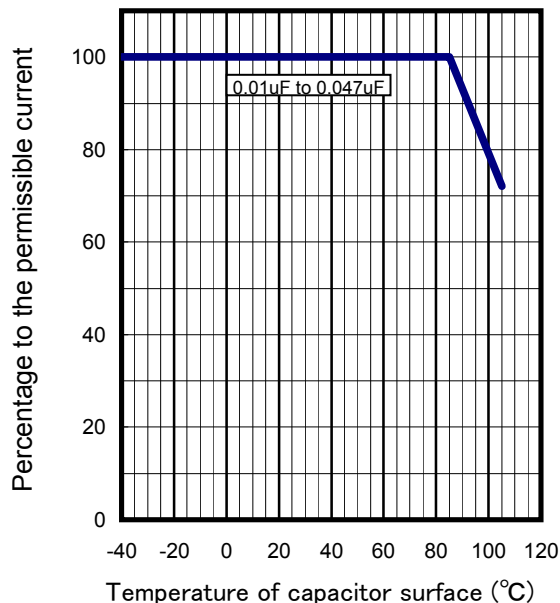


ECWH (C) Type DC1250V series (Metallized Polypropylene Film)
Applicable Specifications

Permissible Current



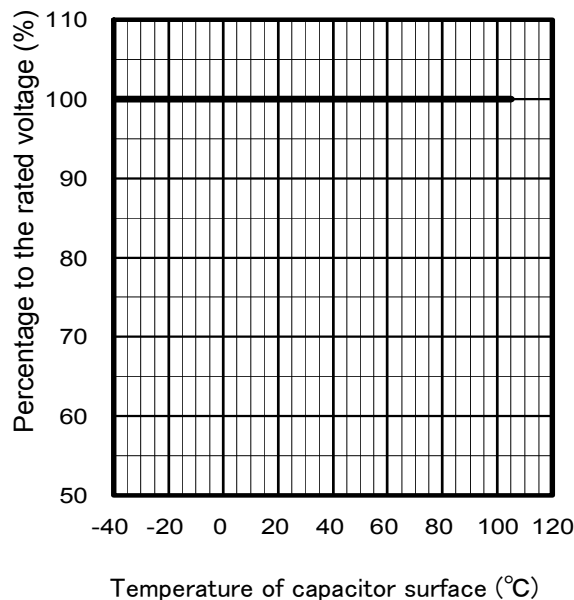
Permissible Current Derating by Temperature



Pulse Handling Capability (dv/dt)
 (Max 10000cycles)

Rated Voltage	Capacitance (µF)	Code	dV/dt (V/µs)	Current (A0-P)
DC1250V	0.100	104	500	50

Voltage Derating by Temperature



*Please consult Panasonic if your condition exceeds the above
 *P When you use this product, peak voltage must not exceed DC rated voltage.
 *The current(0-P) value is calculated using nominal capacitance.