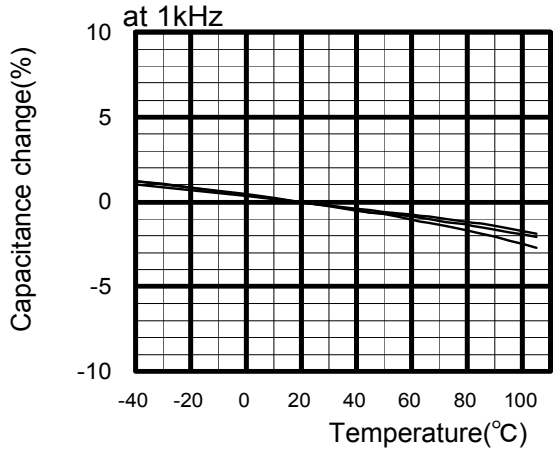


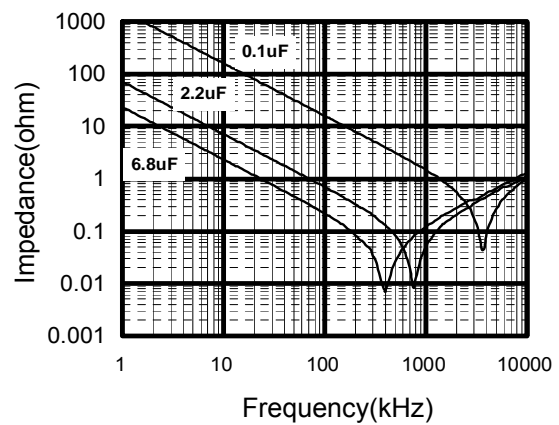
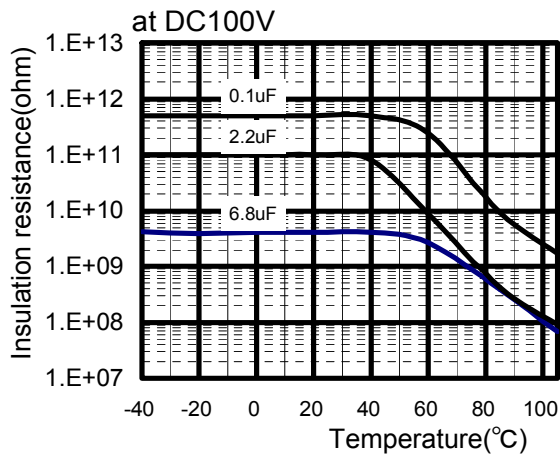
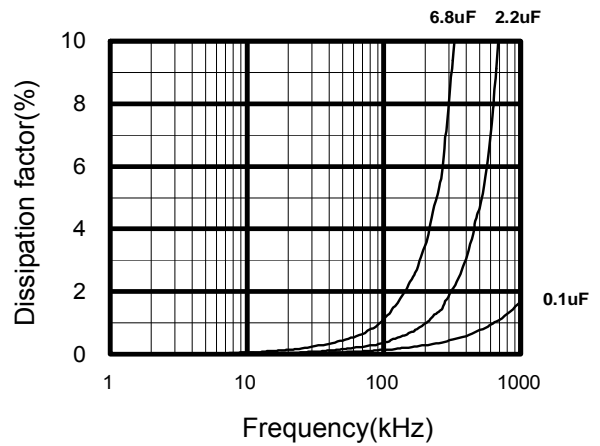
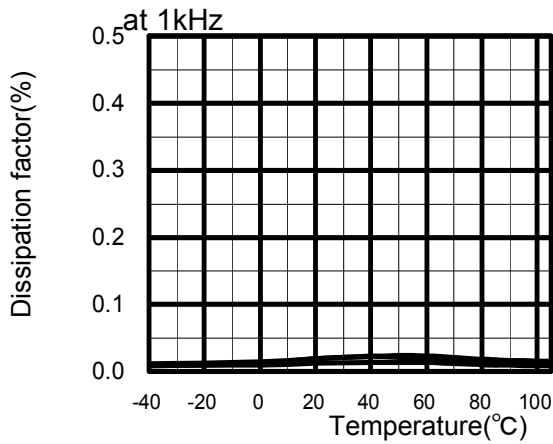
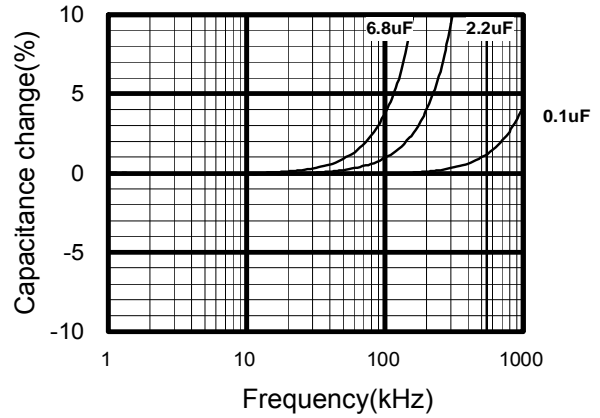
**ECWF (A) Type DC250V series (Metallized Polypropylene Film)**

**Electrical Characteristics <Typical Data >**

**Temperature Characteristics**



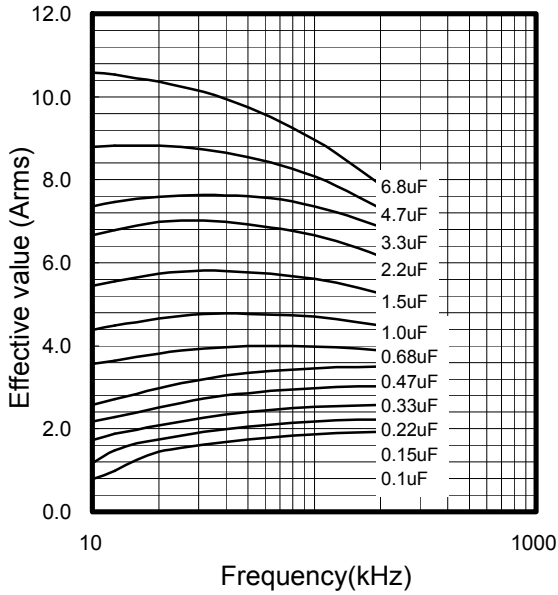
**Frequency Characteristics**



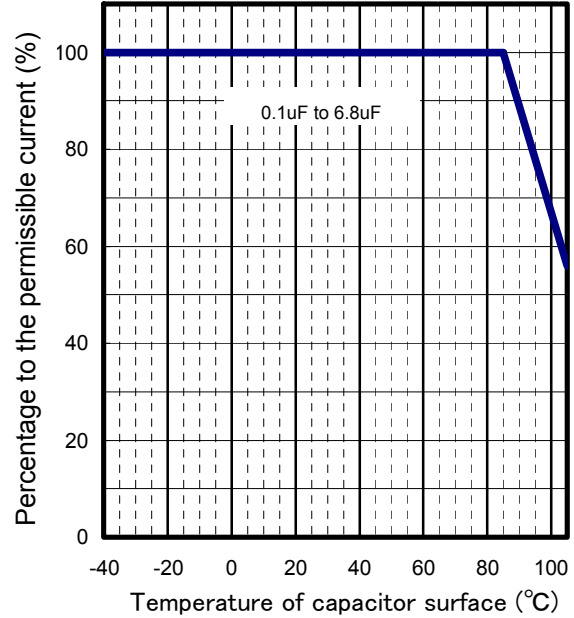
**ECWF (A) Type DC250V series (Metallized Polypropylene Film)**

**Applicable Specifications**

**Permissible Current**



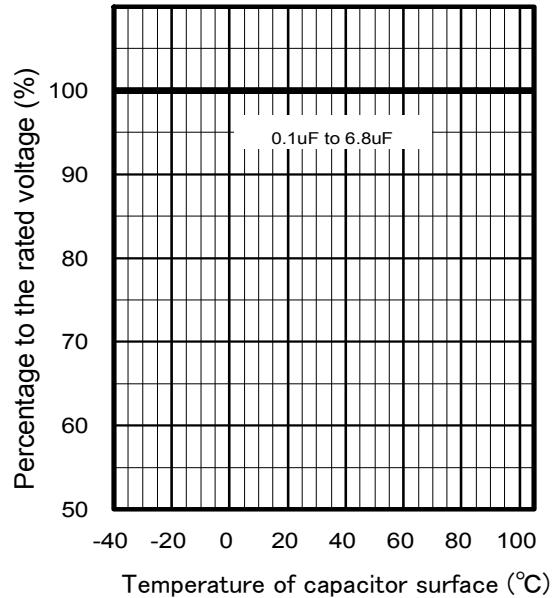
**Permissible Current Derating by Temperature**



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

Rated Voltage	Capacitance (μF)	Code	dV/dt (V/μs)	Current (A0-P)
DC 250V	0.10	104	135	13.5
	0.15	154		20.2
	0.22	224		29.7
	0.33	334		44.5
	0.47	474		63.4
	0.68	684		55.7
	1.00	105	82	82.0
	1.50	155		123.0
	2.20	225		180.4
	3.30	335	57	188.1
	6.80	685		387.6

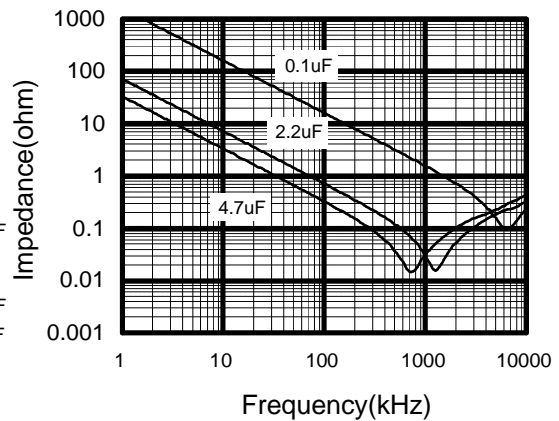
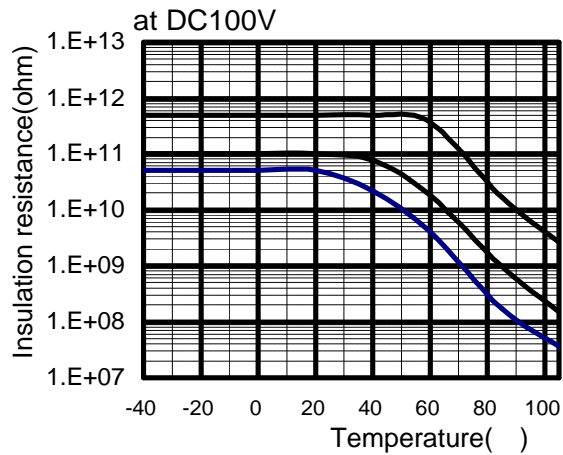
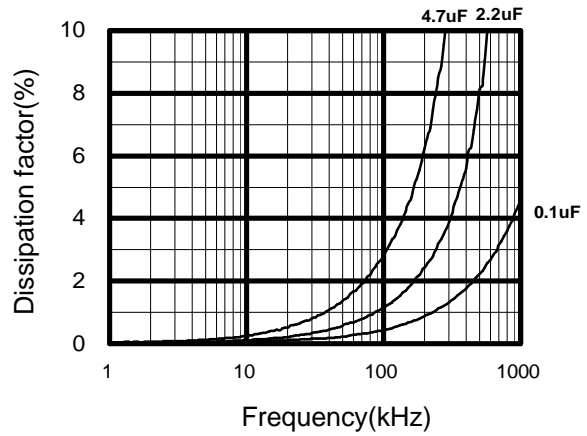
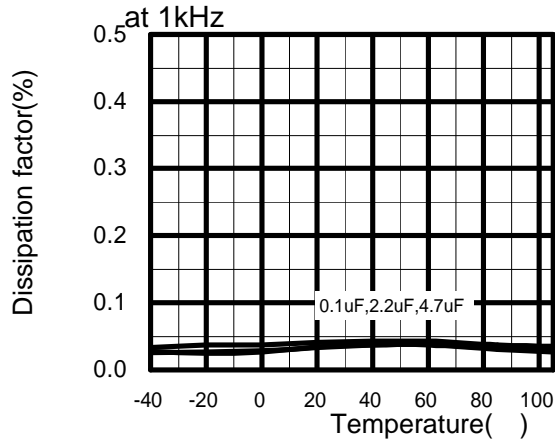
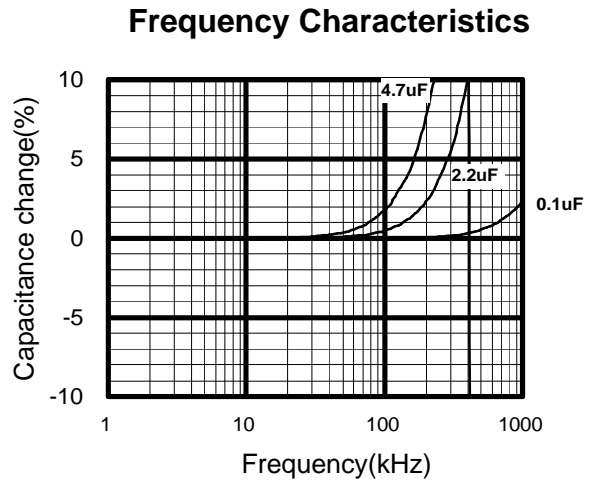
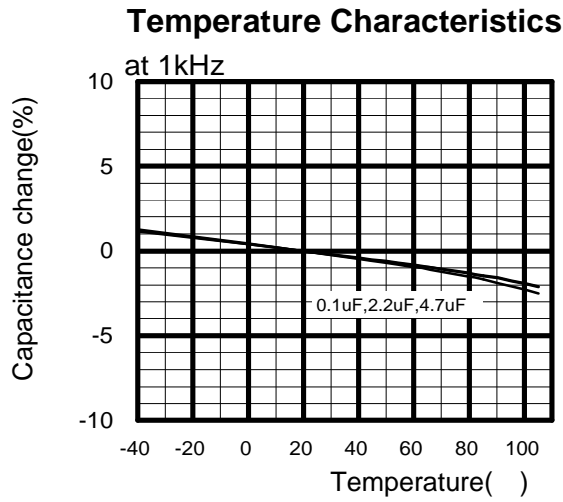
**Voltage Derating by Temperature**



\*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.

**ECWF (A) Type DC450V series (Metallized Polypropylene Film)**

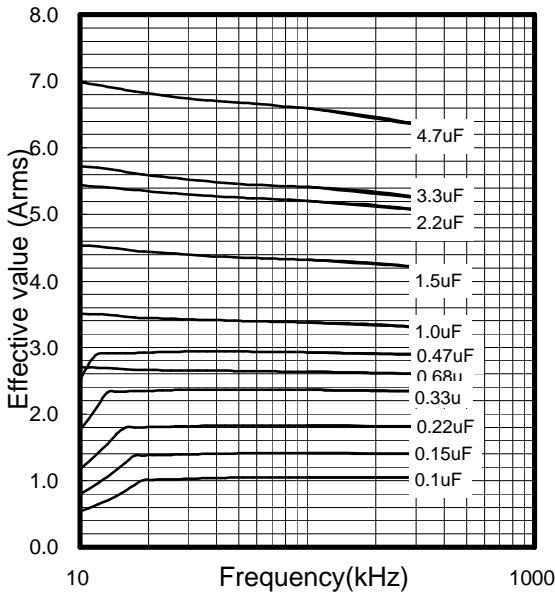
**Electrical Characteristics <Typical Data >**



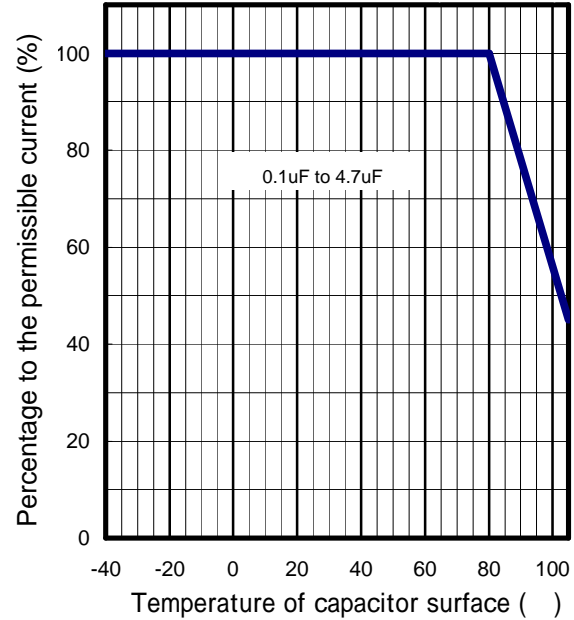
**ECWF (A) Type DC450V series (Metallized Polypropylene Film)**

**Applicable Specifications**

**Permissible Current**



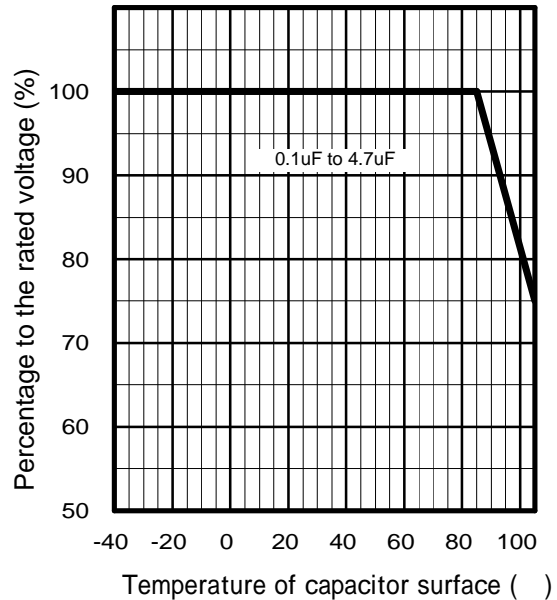
**Permissible Current Derating by Temperature**



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

Rated Voltage	Capacitance (μF)	Code	dV/dt (V/μs)	Current (A0-P)
DC 450V	0.10	104	41.6	4.2
	0.15	154		6.2
	0.22	224		9.2
	0.33	334		13.7
	0.47	474		19.6
	0.68	684	24.3	16.5
	1.00	105		24.3
	1.50	155		36.4
	2.20	225	14.3	53.4
	2.20	335		47.2
	4.70	475		67.3

**Voltage Derating by Temperature**

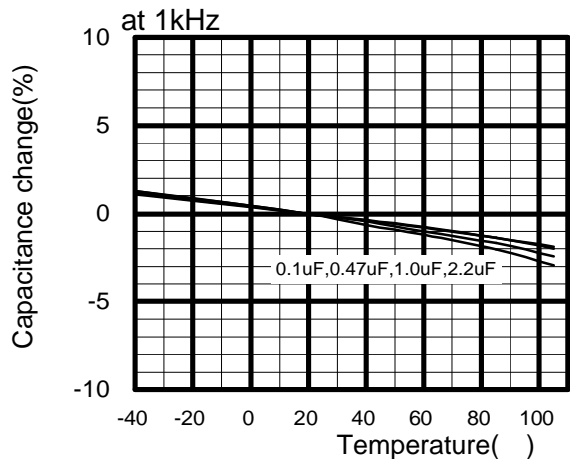


\*Please consult Panasonic if your condition exceeds the above  
 \*P When you use this product, peak voltage must not exceed DC rated voltage.  
 \*The current(0-P) value is calculated using nominal capacitance.

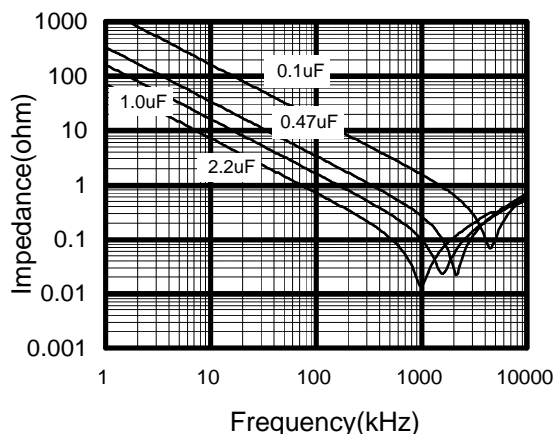
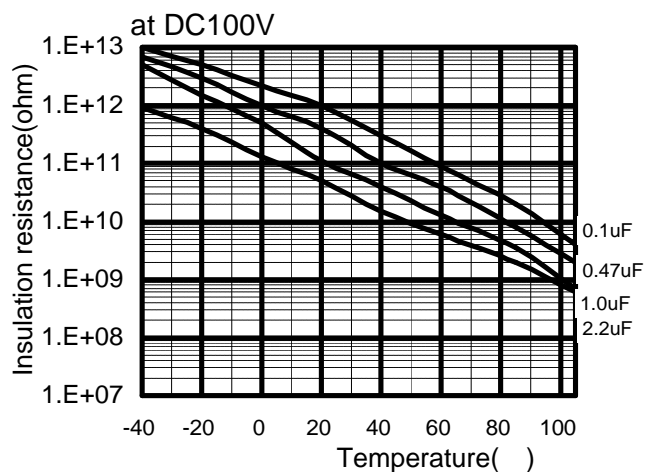
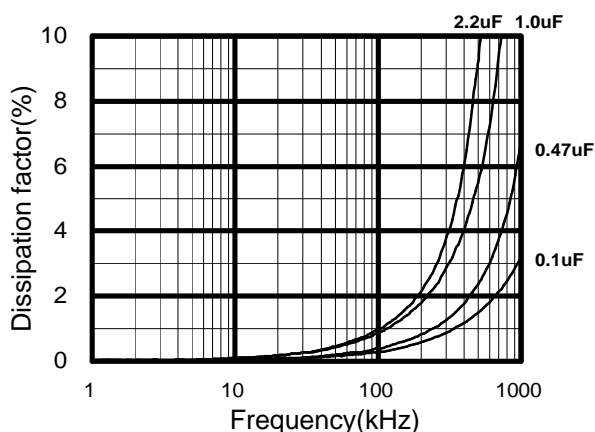
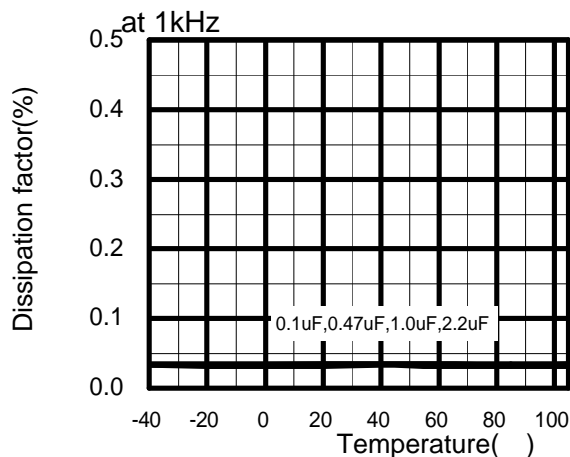
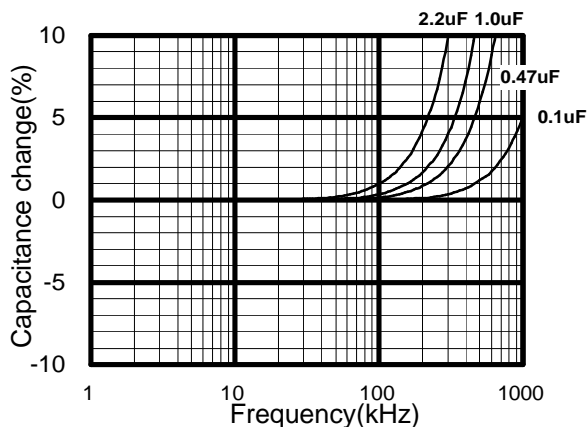
**ECWFA Type DC630V series (Metallized Polypropylene Film)**

**Electrical Characteristics <Typical Data >**

**Temperature Characteristics**

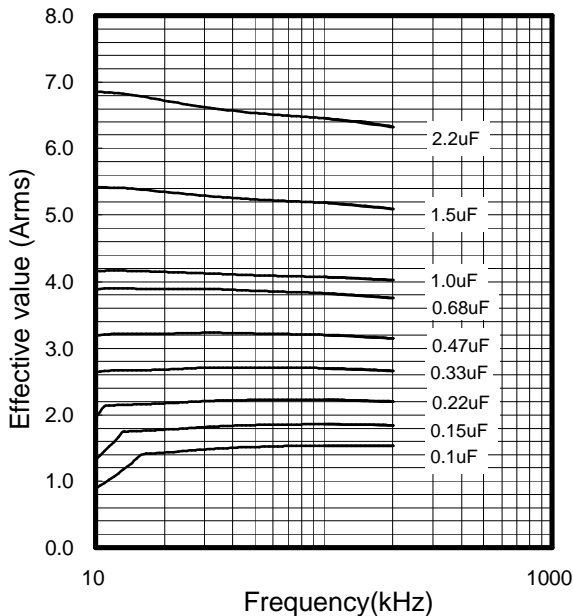


**Frequency Characteristics**

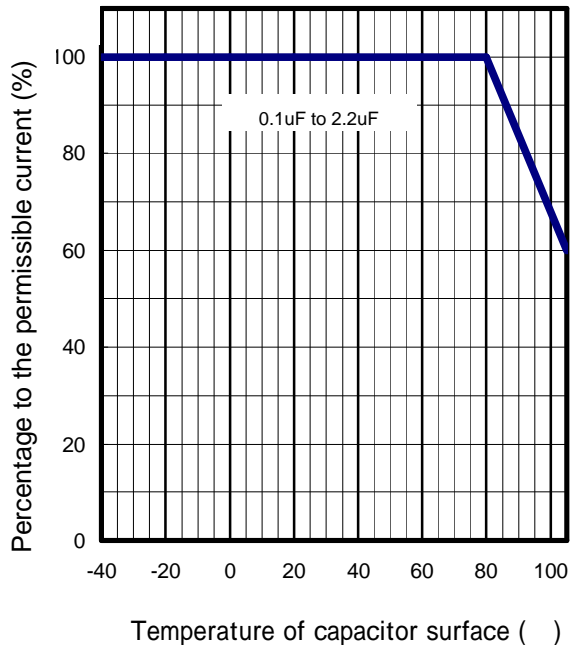


**ECWFA Type DC630V series (Metallized Polypropylene Film)**  
**Applicable Specifications**

**Permissible Current**



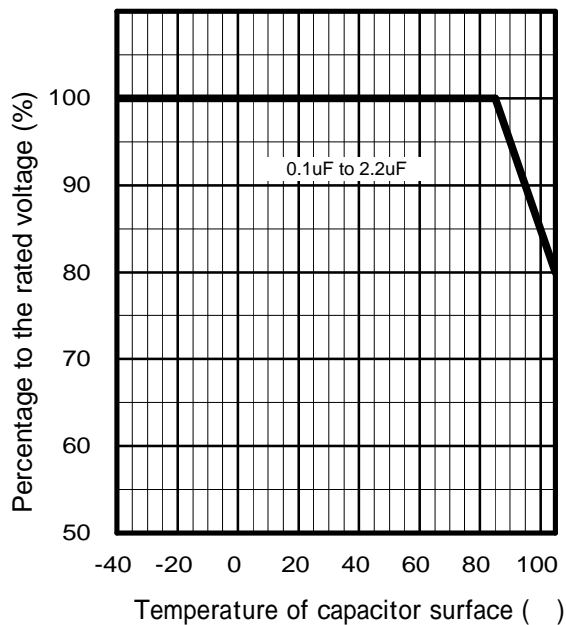
**Permissible Current Derating by Temperature**



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

Rated Voltage	Capacitance (μF)	Code	dV/dt (V/μs)	Current (A0-P)	
DC 630V	0.10	104	155	15.5	
	0.12	124		18.6	
	0.15	154		23.3	
	0.18	184		27.9	
	0.22	224		34.1	
	0.27	274		41.9	
	0.33	334		51.2	
	0.39	394		60.5	
	0.47	474		72.9	
	0.56	564		86.8	
	0.68	684		105.4	
	0.82	824		65	53.3
	1.00	105			65.0
	1.20	125			78.0
	1.50	155			97.5
1.80	185	117.0			
	2.20	225		143.0	

**Voltage Derating by Temperature**



\*Please consult Panasonic if your condition exceeds the above  
 \*When you use this product, peak voltage must not exceed DC rated voltage.  
 \*The current(I0-P) value is calculated using nominal capacitance.