

For High Frequency Metallized Polypropylene Film Capacitor

Type: **ECWH(U)** (700 VAC)

Designed for applications where high frequency and high pulse are required



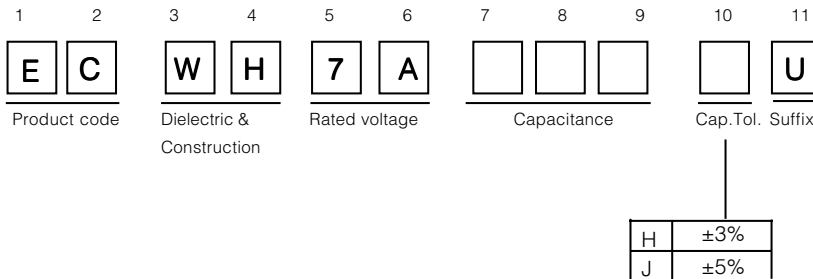
■ Features

- Low-loss and inherent temperature rise
- Excellent electrical characteristics
- Flame retardant epoxy resin coating

■ Recommended Applications

- High pulse circuits (electronic ballast etc)

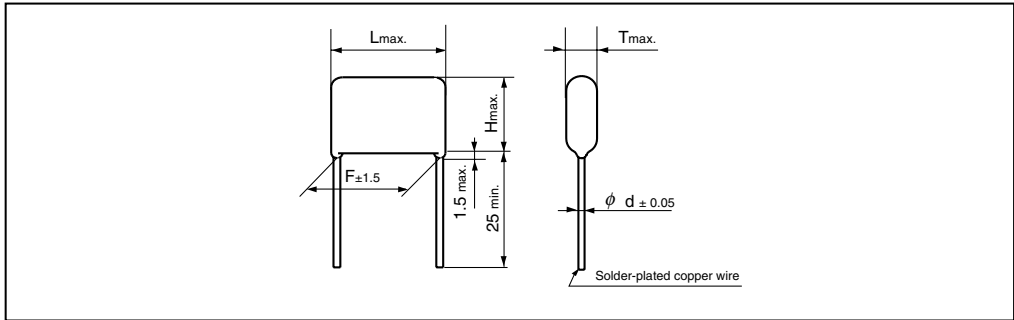
■ Explanation of Part Numbers



■ Specifications

Category temp. range	-40 to +100°C
Rated voltage	700VAC /1600VDC
Capacitance range	0.001 to 0.0068μF
Capacitance tolerance	±3%, ±5%
Tangent of loss angle	≥ 0.1% at 1kHz, ≥ 0.06% at 10kHz
Withstand voltage	Between terminal : Rated Volt.(DC)×175% for 1 to 5s at 20°C Terminals to line earth: 1500VAC for 60s at 20°C
Insulation resistance	≤ 50000MΩ at 20°C 500VDC for 60s

■ Dimensions in mm (not to scale)



■ Rating, Dimensions

- Type ECWH(U), Rated voltage: 700VAC/1600VDC capacitance tolerance: $\pm 3\%$ (H), $\pm 5\%$ (J)

Part No.	Cap. (μF)	Dimensions(mm)				
		L max	T max	H max	F	ϕd
ECWH7A102□U	0.001	18.5	6.5	13.5	16.0	0.80
ECWH7A112□U	0.0011	18.5	7.0	13.5	16.0	0.80
ECWH7A122□U	0.0012	18.5	5.5	11.0	16.0	0.80
ECWH7A132□U	0.0013	18.5	6.0	11.0	16.0	0.80
ECWH7A152□U	0.0015	18.5	6.0	11.5	16.0	0.80
ECWH7A162□U	0.0016	18.5	6.0	11.5	16.0	0.80
ECWH7A182□U	0.0018	18.5	6.5	11.5	16.0	0.80
ECWH7A202□U	0.002	18.5	6.0	13.0	16.0	0.80
ECWH7A222□U	0.0022	18.5	6.5	13.0	16.0	0.80
ECWH7A242□U	0.0024	18.5	6.5	13.5	16.0	0.80
ECWH7A272□U	0.0027	18.5	7.0	13.5	16.0	0.80
ECWH7A302□U	0.003	18.5	7.0	14.0	16.0	0.80
ECWH7A332□U	0.0033	18.5	7.5	14.5	16.0	0.80
ECWH7A362□U	0.0036	18.5	7.5	14.5	16.0	0.80
ECWH7A392□U	0.0039	18.5	8.0	15.0	16.0	0.80
ECWH7A432□U	0.0043	18.5	8.5	15.0	16.0	0.80
ECWH7A472□U	0.0047	18.5	8.5	15.5	16.0	0.80
ECWH7A512□U	0.0051	18.5	9.0	15.5	16.0	0.80
ECWH7A562□U	0.0056	18.5	9.5	16.0	16.0	0.80
ECWH7A622□U	0.0062	18.5	9.5	16.5	16.0	0.80
ECWH7A682□U	0.0068	18.5	10.0	17.0	16.0	0.80

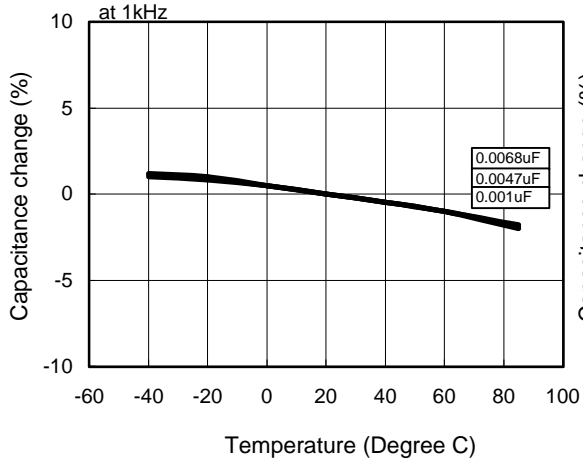
└─ Cap. tol. code



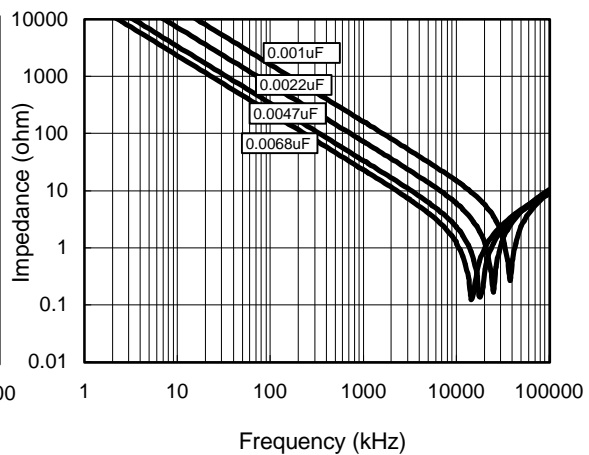
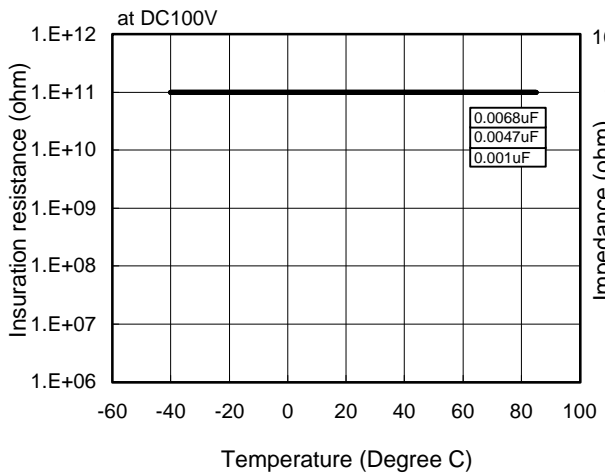
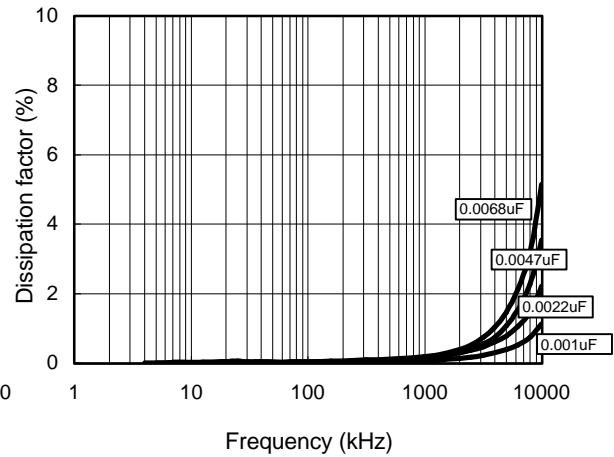
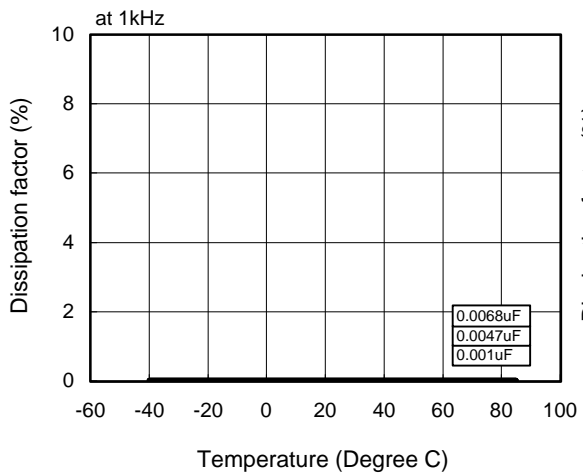
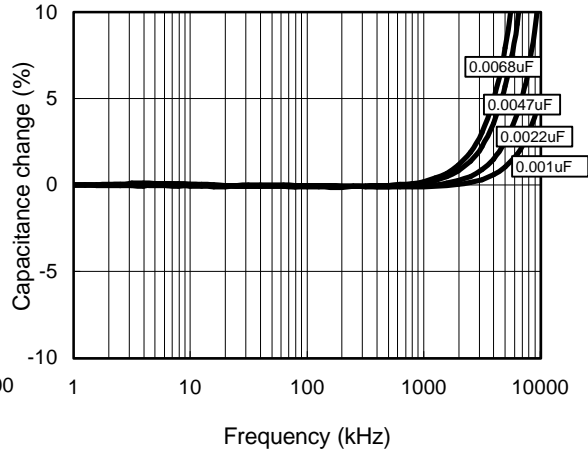
ECWH(U) Type 700VAC Series (Metallized Polypropylene Film)

Electrical Characteristics <Typical Data>

Temperature Characteristics



Frequency Characteristics

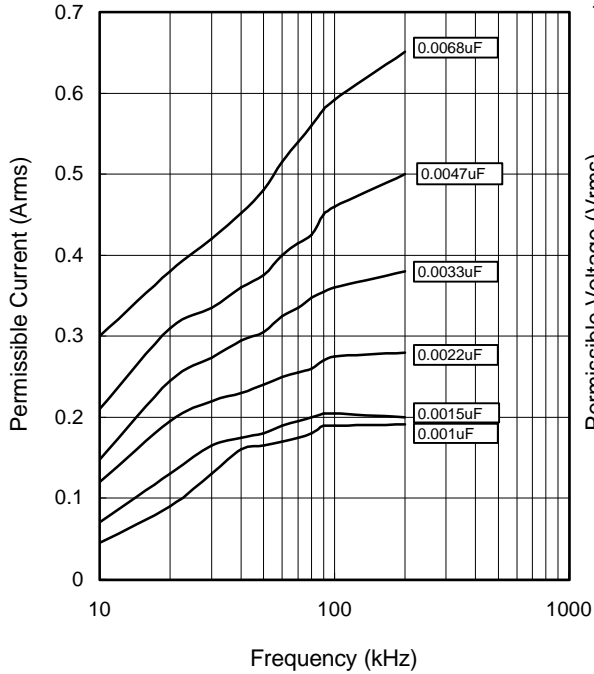




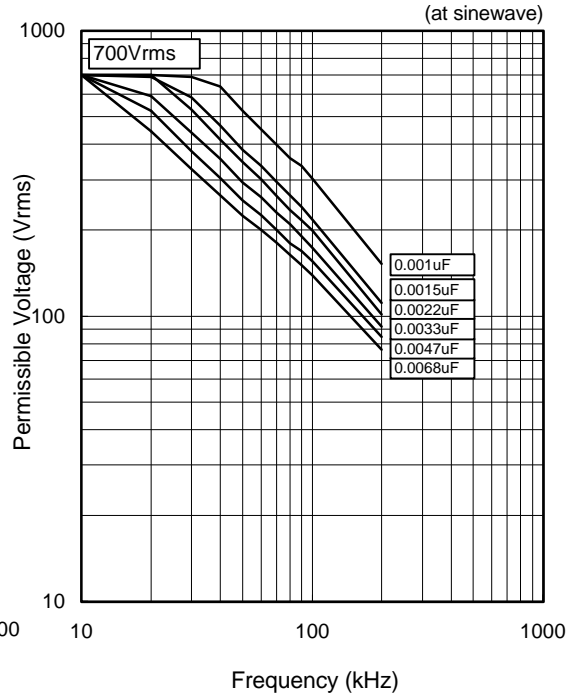
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Applicable Specifications

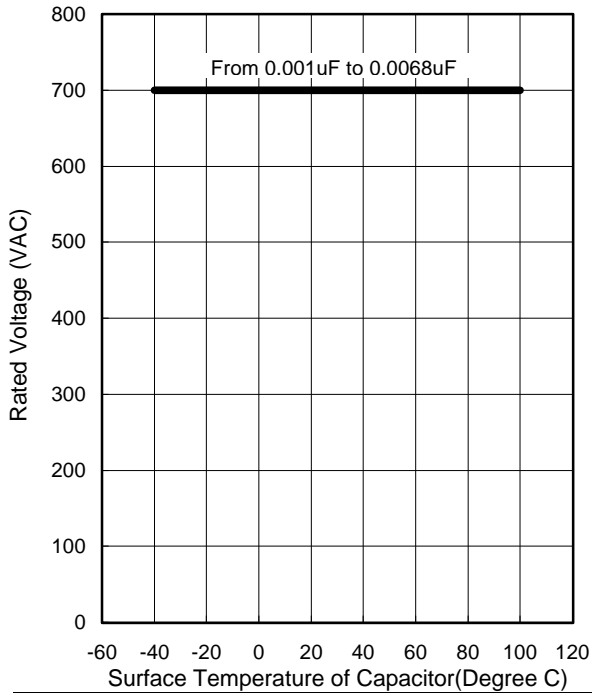
Permissible Current



Permissible Voltage



Voltage Derating by Temperature



* Please consult Panasonic if your condition exceeds the above