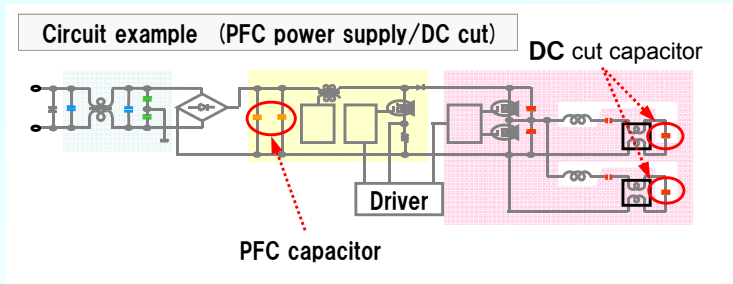


ECWFA series

Applications•Features

Film capacitor for PFC power supply, Lighting apparatus

- ① Small size
- ② High safety
- ③ High moisture resistant (85°C/85%/500V/500h)
- ④ High ripple current
- ⑤ RoHS directive compliant



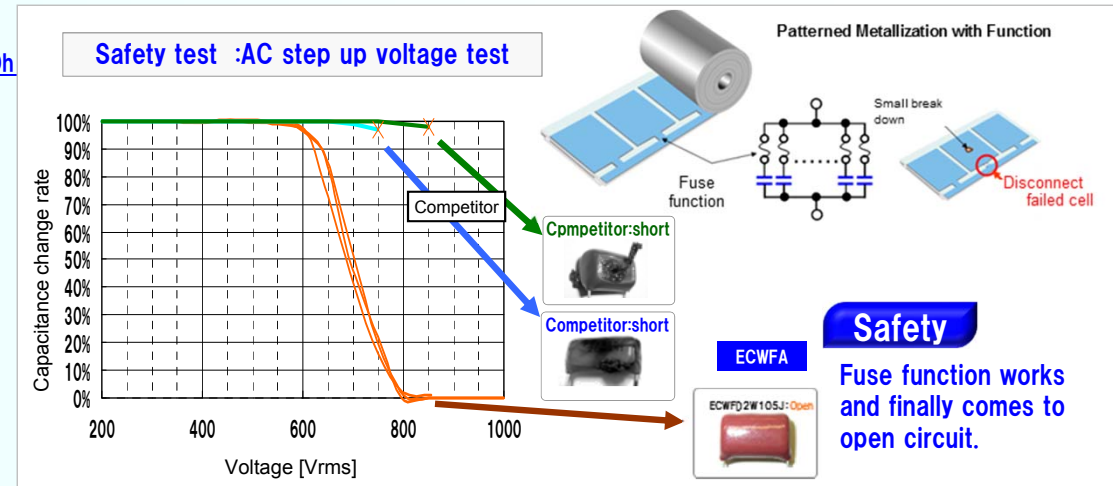
Construction/Specifications (comparison data)

Contributing to the miniaturization and the high performance of the appliance

Voltage	250V	450V	630V
Dielectric film	Patterned Metallized Polypropylene film		
Type	ECWF (A) DC250V	ECWFA2W (DC450V)	ECWFA2J (DC630V)
Category temp. range	-40 to +105°C		
Cap.	0.1μF to 6.8μF	0.1μF to 4.7μF	0.1μF to 2.2μF
Appearance			
L x T x H (mm)	18.1 x 8.5 x 13.3 1.0 μF	18.1 x 9.3 x 12.6 1.0 μF	26.0 x 11.1 x 16.2 1.0 μF
Break down mode	Open	Open	Open
Moisture resistant	85 °C, 85%, 250 VDC, 500 h	85 °C, 85%, 315 VDC, 500 h	85 °C, 85%, 500 VDC, 500 h

Safety test

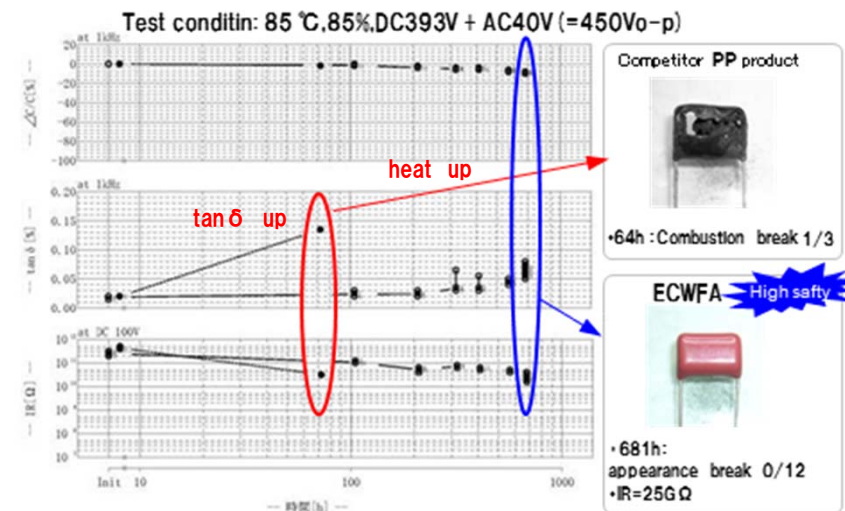
Safety at the life-end



Moisture resistance test

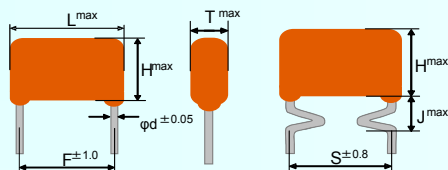
High reliability and moisture resistant are compatible with Al metallized pattern film.

Moisture resistance loading test



ECWFA series

Dimensions



unit:mm

Type	ECWFA DC 250V (E12 series)				
Cap./Size	Lmax	Tmax	Hmax	F \pm 1.0 S \pm 0.8	ϕ d (diameter)
104 (0.10 μ F)	13.0	5.0	9.1	10.0 S	0.6
124 (0.12 μ F)	13.0	5.3	9.4	10.0 S	0.6
154 (0.15 μ F)	13.0	5.6	9.7	10.0 S	0.6
184 (0.18 μ F)	13.0	5.9	10.1	10.0 S	0.6
224 (0.22 μ F)	13.0	6.3	10.4	10.0 S	0.6
274 (0.27 μ F)	13.0	6.8	10.9	10.0 S	0.6
334 (0.33 μ F)	13.0	7.3	11.4	10.0 S	0.6
394 (0.37 μ F)	13.0	7.8	11.9	10.0 S	0.6
474 (0.47 μ F)	13.0	8.4	12.6	10.0 S	0.6
564 (0.56 μ F)	18.1	6.9	11.4	15.0	0.8
684 (0.68 μ F)	18.1	7.4	12.0	15.0	0.8
824 (0.82 μ F)	18.1	8.0	12.6	15.0	0.8
105 (1.0 μ F)	18.1	8.5	13.3	15.0	0.8
125 (1.2 μ F)	18.8	9.5	14.6	15.0	0.8
155 (1.5 μ F)	18.8	10.5	15.6	15.0	0.8
185 (1.8 μ F)	18.8	11.4	16.5	15.0	0.8
225 (2.2 μ F)	18.8	12.6	17.6	15.0	0.8
275 (2.7 μ F)	23.8	11.4	17.2	20.0	0.8
335 (3.3 μ F)	23.8	12.5	18.3	20.0	0.8
395 (3.9 μ F)	23.8	13.5	19.3	20.0	0.8
475 (4.7 μ F)	23.8	14.8	20.6	20.0	0.8
565 (5.6 μ F)	23.8	16.2	21.9	20.0	0.8
685 (6.8 μ F)	23.8	17.8	23.5	20.0	0.8

unit:mm

Type	ECWFA DC 450V (E12 series)				
Cap./Size	Lmax	Tmax	Hmax	F \pm 1.0 S \pm 0.8	ϕ d (diameter)
104 (0.10 μ F)	13.0	5.1	9.3	10.0 S	0.6
124 (0.12 μ F)	13.0	5.4	9.5	10.0 S	0.6
154 (0.15 μ F)	13.0	5.7	9.9	10.0 S	0.6
184 (0.18 μ F)	13.0	6.1	10.2	10.0 S	0.6
224 (0.22 μ F)	13.0	6.5	10.6	10.0 S	0.6
274 (0.27 μ F)	13.0	7.0	11.1	10.0 S	0.6
334 (0.33 μ F)	13.0	7.6	11.7	10.0 S	0.6
394 (0.37 μ F)	13.0	8.1	12.2	10.0 S	0.6
474 (0.47 μ F)	13.0	8.7	12.9	10.0 S	0.6
564 (0.56 μ F)	18.1	7.0	11.5	15.0	0.8
684 (0.68 μ F)	18.1	7.5	12.1	15.0	0.8
824 (0.82 μ F)	18.1	8.2	12.7	15.0	0.8
105 (1.0 μ F)	18.1	9.3	12.6	15.0	0.8
125 (1.2 μ F)	18.8	9.7	14.7	15.0	0.8
155 (1.5 μ F)	18.8	10.7	15.8	15.0	0.8
185 (1.8 μ F)	18.8	11.6	16.7	15.0	0.8
225 (2.2 μ F)	18.8	12.8	17.9	15.0	0.8
275 (2.7 μ F)	26.3	10.6	16.5	22.5	0.8
335 (3.3 μ F)	26.3	11.7	17.5	22.5	0.8
395 (3.9 μ F)	26.3	12.6	18.4	22.5	0.8
475 (4.7 μ F)	26.3	13.8	19.6	22.5	0.8

unit:mm

Type	ECWFA DC 630V (E12 series)				
Cap./Size	Lmax	Tmax	Hmax	F \pm 1.0	ϕ d(diameter)
104 (0.10 μ F)	18.2	5.2	10.4	15.0	0.6
124 (0.12 μ F)	18.2	5.5	10.8	15.0	0.6
154 (0.15 μ F)	18.2	6.0	11.2	15.0	0.6
184 (0.18 μ F)	18.2	6.5	11.7	15.0	0.6
224 (0.22 μ F)	18.2	7.1	12.3	15.0	0.6
274 (0.27 μ F)	18.2	7.8	12.9	15.0	0.6
334 (0.33 μ F)	18.2	8.5	13.6	15.0	0.6
394 (0.37 μ F)	18.2	9.2	14.3	15.0	0.6
474 (0.47 μ F)	18.2	10.0	15.1	15.0	0.6
564 (0.56 μ F)	18.2	10.9	16.0	15.0	0.6
684 (0.68 μ F)	18.2	12.0	17.1	15.0	0.6
824 (0.82 μ F)	26.0	10.1	15.3	22.5	0.8
105 (1.0 μ F)	26.0	11.1	16.2	22.5	0.8
125 (1.2 μ F)	26.0	12.1	17.2	22.5	0.8
155 (1.5 μ F)	26.0	13.5	18.6	22.5	0.8
185 (1.8 μ F)	26.0	14.8	19.8	22.5	0.8
225 (2.2 μ F)	26.0	16.3	21.4	22.5	0.8