

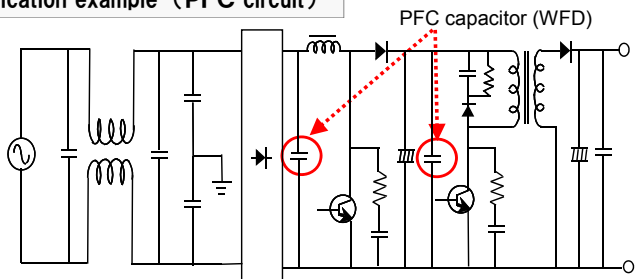
# ECWFD DC450 V / DC630V series

## Applications • Features

Film capacitor for PFC power supply, Lighting apparatus

- ① Small size
- ② Low hum noise
- ③ High reliability / Open failure mode
- ④ Halogen free
- ⑤ RoHS directive compliant

Application example (PFC circuit)



## Construction / Specifications (comparison data)

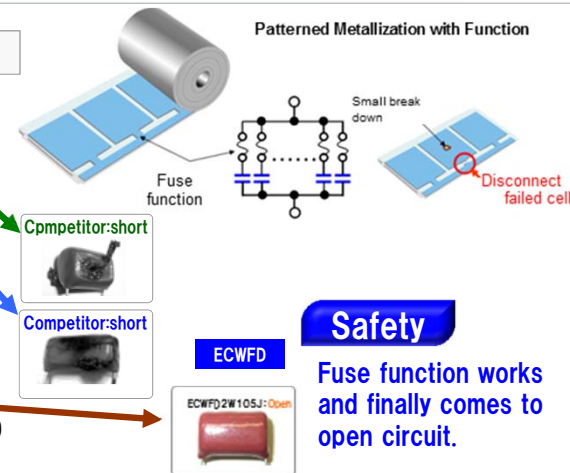
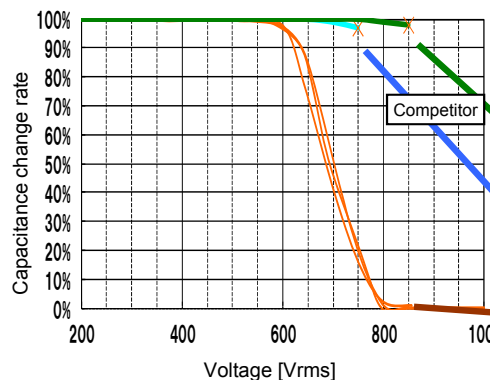
Contributing to the miniaturization and the high performance of the appliance

	DC450V	DC630V
Dielectric film	Metallized polypropylene film	Metallized polypropylene film
Type	ECWFD 2W	ECWFD 2J
Cap.	0.1uF to 4.7uF	0.047uF to 4.7uF
Category temp. range	-40 to +110°C	-40 to +105°C
Appearance (1.0 μF)		
L x T x H (mm)	17.5 x 7.8 x 11.0	25.3 x 8.4 x 13.5
Moisture resistant	40°C, 95%, 450VDC, 500h	40°C, 95%, 630VDC, 500h
Break down mode	Open	Open

## Safety test

### Safety at the life-end

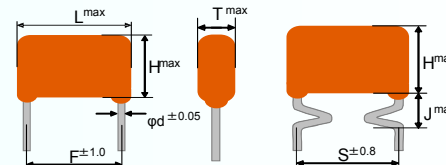
Safety test : AC step up voltage test



### Safety

Fuse function works and finally comes to open circuit.

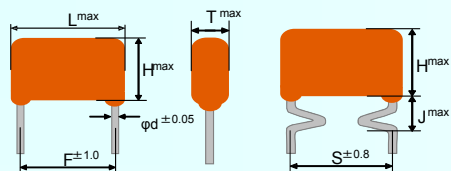
## Dimensions



Type	ECWFD 2W (DC450V) (E12 series)				
Cap./Size	Lmax	Tmax	Hmax	F (S)	Φ d (diameter)
104	12.6	4.5	8.9	S 10.0	0.6
154	12.6	4.6	9.1	S 10.0	0.6
224	12.6	5.0	9.6	S 10.0	0.6
334	12.6	5.6	10.4	S 10.0	0.6
474	12.6	6.5	11.2	10.0	0.6
	17.5	5.8	9.0	15.0	0.8
684	12.6	7.7	12.4	10.0	0.6
	17.5	6.7	9.9	15.0	0.8
105	12.6	9.2	13.9	10.0	0.6
	17.5	7.8	11.0	15.0	0.8
155	17.5	9.3	12.5	15.0	0.8
225	17.5	11.1	14.3	15.0	0.8
335	25.3	9.8	14.6	22.5	0.8
475	25.3	11.7	16.4	22.5	0.8

# ECWFD DC450 V / DC630V series

## Dimensions



Type	ECWFD 2J(DC630V) (E12 series)				
Cap./Size	Lmax	Tmax	Hmax	F (S)	Φ d(diameter)
473	12.6	4.4	7.8	s 10.0	0.6
683	12.6	5.0	8.4	s 10.0	0.6
104	12.6	5.8	9.2	s 10.0	0.6
154	12.6	6.8	10.2	s 10.0	0.6
224	12.6	8.1	11.4	s 10.0	0.6
334	17.8	6.6	11.5	15.0	0.8
474	17.8	7.8	12.7	15.0	0.8
684	17.8	9.3	14.2	15.0	0.8
105	17.8	11.2	16.1	15.0	0.8
105	25.3	8.4	13.5	22.5	0.8
155	25.3	10.3	15.5	22.5	0.8
225	25.3	12.4	17.7	22.5	0.8
335	25.3	15.3	20.7	22.5	0.8
475	25.3	18.3	23.9	22.5	0.8