

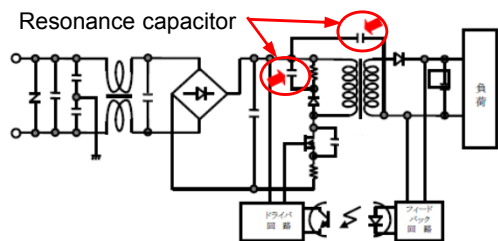
ECWH(A) DC800 V, ECWHA DC1600 V series

Applications•Features

Film capacitor for resonance circuit, active filter user

- ① Small size
- ② Low hum noise
- ③ High reliability
- ④ High moisture resistant (85°C / 85% / W.V. / 500h)
- ⑤ Ripple current improvement
- ⑥ RoHS directive compliant *1600V 0.0016 μF or more

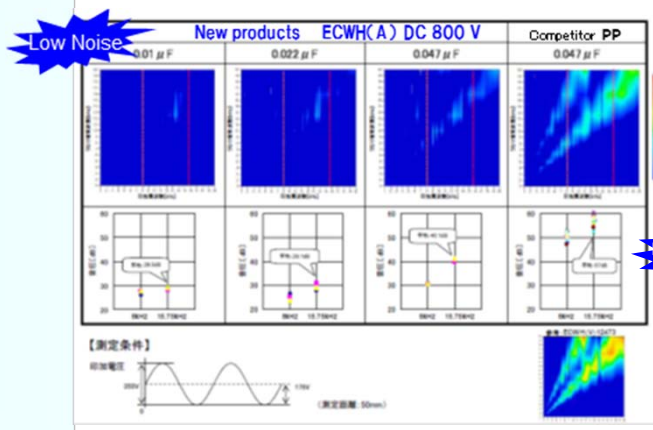
Circuit example (resonant circuit)



Hum noise test/Safety test

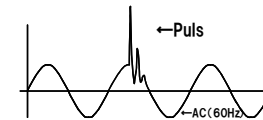
Very low hum noise level/Safety at the life-end

Hum noise test (vs. competitor product)



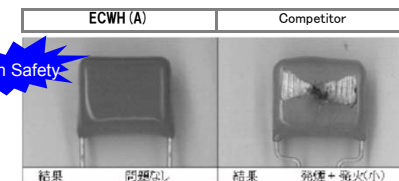
Safety test :Active-flammability

[TEST Condition]
IEC60384-14 4.18
Active-flammability test



[Performance]
IEC : No burning of the cheesecloth around the capacitor.
After test: No burning (No cheesecloth)



High Safety



ECWH(A) will be hard to be in a state like dielectric breakdown. (safety design)

Construction/Specifications (comparison data)

Contributing to the miniaturization and the high performance of the appliance

	Standard	Current
Dielectric film	Metallized polypropylene film	Metallized polypropylene film
Type	ECWH(A) DC 800 V 0.047 μF	ECWH(V) DC 800 V 0.047 μF
Category temp. range	-40 to +105°C	-40 to +105°C
Appearance		
L x T x H (mm) Size index	15.7 x 9.7 x 14.1 (56)	23.0 x 7.5 x 16.0 (100)
Ripple current	3.78 Arms at 100kHz	2.90 Arms at 100kHz
Moisture Resistance lading	800V:85°C,85%,W.V.,500h 1600V:85°C,85%,W.V.,500h	40°C,95%,W.V.,500h

Dimensions

Type	Standard ECWH(A) 800V (E12 series)					Standard ECWHA 1600V (E24 series)				
	L	T	H	F	Φd (diameter)	L	T	H	F(S)	Φd (diameter)
102 (0.0010 μF)						17.8	5.2	8.0	10.0 S	0.6
122 (0.0012 μF)						17.8	5.5	8.2	10.0 S	0.6
152 (0.0015 μF)						17.8	5.9	8.7	10.0 S	0.6
182 (0.0018 μF)						17.8	6.4	9.1	10.0 S	0.6
222 (0.0022 μF)						17.8	6.7	9.5	10.0 S	0.6
272 (0.0027 μF)						17.8	5.2	8.0	10.0 S	0.6
332 (0.0033 μF)						17.8	5.6	8.4	10.0 S	0.6
392 (0.0039 μF)						17.8	6.0	8.8	10.0 S	0.6
472 (0.0047 μF)						17.8	6.4	9.1	15.0	0.6
562 (0.0056 μF)						17.8	6.8	9.6	15.0	0.6
682 (0.0068 μF)						17.8	6.1	12.1	15.0	0.6
822 (0.0082 μF)						17.8	6.8	12.7	15.0	0.6
103 (0.010 μF)	15.4	5.4	9.8	12.5	0.6	20.3	6.4	12.3	17.5	0.6
123 (0.012 μF)	15.4	5.8	10.2	12.5	0.6	20.3	6.8	12.8	17.5	0.6
153 (0.015 μF)	15.4	6.2	10.6	12.5	0.6	20.3	7.6	13.5	17.5	0.6
183 (0.018 μF)	15.7	6.6	11.0	12.5	0.8	20.6	8.2	14.1	17.5	0.8
223 (0.022 μF)	15.7	7.1	11.5	12.5	0.8	20.6	9.1	15.0	17.5	0.8
273 (0.027 μF)	15.7	7.6	12.0	12.5	0.8	20.6	10.0	15.9	17.5	0.8
333 (0.033 μF)	15.7	8.4	12.8	12.5	0.8	20.6	11.2	17.0	17.5	0.8
393 (0.039 μF)	15.7	8.9	13.3	12.5	0.8	20.6	12.1	18.0	17.5	0.8
473 (0.047 μF)	15.7	9.7	14.1	12.5	0.8	20.6	13.4	19.2	17.5	0.8

