

Panasonic Electronic Components

ECW-F(A) Series Line Extension

Metallized Polypropylene Film Capacitors

Now Available in 630VDC Variant

Panasonic, a worldwide leader in Film Capacitor Products, introduces the expansion of the excellent **ECW-F(A) Series** of Metallized Polypropylene Film Capacitors. The **ECW-F(A) Series** has a 630VDC variant available, alongside the popular 250VDC and 450VDC styles. This expansion will increase Panasonic Electronic Components Film Capacitor portfolio.

Features:

- Voltage Range: 630VDC
- Capacitance Range: 0.1uF to 2.2uF
- Operating Temperature Range: -40°C to +105°C
- Tolerance: $\pm 5\%$
- Self Healing
- Flame Retardant Epoxy Resin Coating
- RoHS Compliant

Benefits:

- Space and Cost Saving
- Polypropylene Dielectric Better Suited Against High Frequency and High Current Applications
- Fuse Function Contributes to Open Circuit Upon Failure

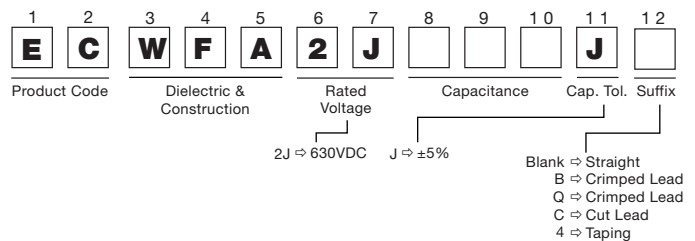
Industries:

- Lighting
- Power Supplies
- Electric Motors

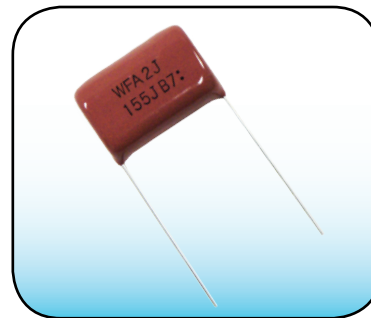
Applications:

- Lighting Ballasts
- Power Factor Correction (PFC)
- Motor Control
- Other High Frequency and High Current Applications

Part Number Information:



Additional Information:



For detailed specification information on these new ECW-F(A) Series Film Capacitors, please visit [panasonic.com/industrial/components/pdf/ECW-F\(A\)-DataSheet.pdf](http://panasonic.com/industrial/components/pdf/ECW-F(A)-DataSheet.pdf) today!

Website: panasonic.com/industrial/electronic-components/capacitive-products/index.aspx

Panasonic ideas for life

Panasonic Electronic Components

ECW-F(A) 250/450V Metallized Polypropylene Capacitors

Featuring Panasonic's New Safety Construction Technology!

Panasonic, a worldwide leader in capacitor technology, introduces the NEW ECW-F(A) 250/450 Volt Series Metallized Polypropylene Capacitors for high frequency and power factor correction circuits.



The ECW-F(A) Series features Panasonic's new safety construction for increased capacitor safety. This patterned metallization technology allows current to flow past a failed point bypassing failed cells and therefore increasing capacitor safety. The ECW-F(A) Series miniaturized footprint is the choice for application downsizing where smaller case sizes are required. ECW-F(A) is more than 50% smaller than the ECQ-E(H) and ECW-F(S) Series.

ECW-F(A) joins a full line of film capacitors including PPS, PEN, PLASTIC, POLYESTER and POLYPROPYLENE Film.

Features:

- Miniaturized Size
- Low Audible Noise: 62dB
- Broad Operating Temperature: -40°C to +105°C
- Capacitance Tolerance: 250/450V +/-3%, 5% & 10%
- Capacitance Range: 250V 0.1 – 6.8μF, 450V 0.1 – 4.7μF
- Excellent Frequency Characteristics
- Low Dissipation Factor
- IEC 60065 Flammability Requirement
- RoHS Compliant

Benefits:

- High Product Safety
- High Pulse Handling Capability (250V P/N)
- High Reliability
- High Ripple Current: 24.3Ao

Industries:

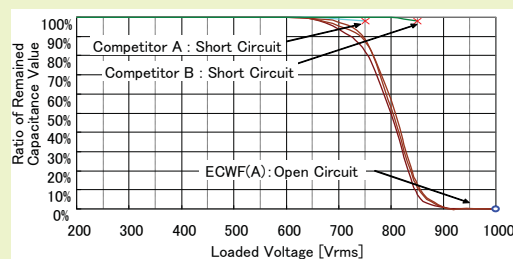
- Home Appliance
- LED Lighting
- General Industrial

Applications:

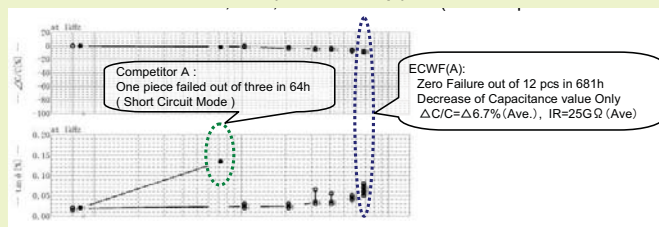
- Power Factor Correction (450V P/N)
- Ignitor Circuit (250V P/N)
- General Power Applications - AC to DC Filtering

Product Safety Comparison vs. Competitor's PP Film Cap.

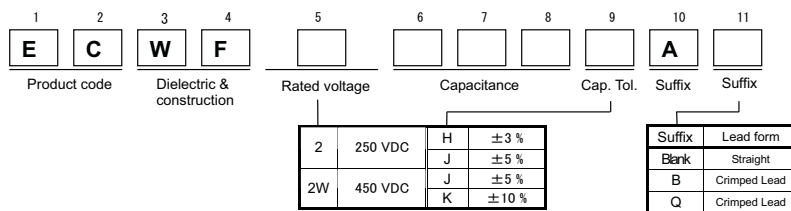
AC Step Up Voltage Break Down Test ECWF(A): Failure Mode is Open and Safe to Use



Voltage Loaded Moisture Resistance Test Test Conditions: 85°C, 85%, DC393V + AC 40V (= 450Vo-p)



Part Number Information:



DATASHEET:

www.panasonic.com/industrial/components/pdf/ABD0000CE47.pdf

WEBSITE:

www.panasonic.com/industrial/components/capacitive/cap_filmlead.html