FFPP Series — DC Link / Filtering

MEDIUM POWER FILM CAPACITORS

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BASIC OVERVIEW

The FFPP series is specifically designed for DC filtering applications such as DC link or resonant filters for voltages up to 2300V. The safe and reliable Controlled Self-Healing Technology makes this series particularly suitable for power converters in traction, drives and renewable energy areas. FFPP use a wet solution (without free oil) with polypropylene metallized film and offers high specific energy up to 360J/l.

GENERAL CHARACTERISTICS

- Dielectric: Polypropylene
- Operating Temperature: -40C to +85C
- DC Voltage: 900 to 2,300 Vdc
- Cap Tolerance: +/- 10%

KEY SPECIFICATIONS

Capacitance: 700 µF to 6,000 µF (+/- 10%)

DC Voltage: 900 to 2,300 Vdc

Maximum rms Current: Up to 245 Arms

Operating Temperature: -40℃ to +85℃

APPLICATIONS

- DC Filtering
- DC Link
- Resonant Filters
- Railway
- Data Centers

OUR ADVANTAGES VS COMPETITOR'S

- ✓ KYOCERA AVX traction grade products do not suffer from catastrophical field failures due to the controlled self healing technology, which is used in their design
- ✓ Controlled self healing technology was patented by KYOCERA AVX in 1976 and is one step further in reliability, compared to intrinsic self healing technology, known as a technology feature for all film dielectric capacitors

TOP SELLING POINTS / CHARACTERISTICS

- Our caps are designed to meet 100,000 hours lifetime at rated voltage and 70°C hot spot temperature
- Designed to limit the self healing energy, the Controlled Self Healing technology is the efficient solution providing the best safety level by preventing any avalanche effect
- Lightweight solution compared to traditional metallic case designs

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HOW TO ORDER

D	FFPP	A	4307	K	1	F
	Series	Voltage A = 900V E = 1400V I = 2000V B = 1000V F = 1500V J = 2150V C = 1100V G = 1700V K = 2300V D = 1250V H = 1900V	Capacitance EIA Code	Capacitance Tolerance K = ±10%	Format 1 = 166x176 H187 2 = 166x176 H262.5 3 = 288x147 H187	Terminal Code F = Female Threaded

FAQ'S

Q: Is KYOCERA AVX able to customize the product to fit my exact needs?

A: Yes, KYOCERA AVX offers options for customized electrical/technical parameters based on customer requirements.

Q: Are the plastic cases a safe solution compared to metallic cases?

A: Yes, both metallic and plastic cases are qualified according to the same electrical and mechanical standards.

Q: Is the product comparable/replaceable with TDK's Modcap series?

A: Shape and ratings are different, but FFPP technology is able to cover the TDK Modcap performances in most cases. KYOCERA AVX can also provide custom solutions as needed.

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