

High Power Film Capacitors FFHV/FTHV



AVX

Scan Code for Datasheet



Or visit: www.avx.com

Basic Overview

FFHV/FTHV series offers a voltage extension of the medium power FFLC family using silicon oil between the film layers for application up to 3KV. This technology enables the product to be used for applications where oil free technology is preferred and where lower weight products are needed.

Positioning

AVX's FFHV/FTHV products assure reliable operation for long lifetimes due to unique controlled self-healing technology. The wide product range of options provides a long-term solution for a range of applications.

Applications

- DC filters in high power, motor drives
- DC Link Capacitors for AC/AC and DC/AC Motor Drive Inverters
- Rail Transportation
- Renewable Energy (Wind, Solar, Power Grid, etc.)
- Energy transport and Distribution Research

Top Selling Points

- Controlled Self-Healing Property
- Custom Designs (Mechanical/Electrical)
- Alternative to electrolytic, mica, film foil and ceramic
- Total safety, reliability and soft end of lifetime
- Excellent technical support
- Several major functions in industrial circuits
- Dry solution to high voltage applications

Unique Features

- Temperature Capabilities: -55°C to 85°C
- Capacitance Range: 88μF to 1620μF
- Voltage Range: 1500V to 3000V
- Dielectric: Polypropylene
- See datasheet for size and dimensions

High Power Film Capacitors FFHV/FTHV Series



How to Order

FFHV

Series
FFHV: resin top

1

Section and Option

1 = 340x125 2 connexions
2 = 340x125 4 connexions
3 = 340x175 2 connexions
4 = 340x175 4 connexions

1

Height

1 = 230mm
2 = 295mm
3 = 370mm
4 = 450mm
5 = 530mm
6 = 610mm

M

Terminal Code
F = female
M = male

R

Voltage
R = 1500V
S = 1750V
N = 2000V
T = 2250V
P = 2500V
W = 2750V
X = 3000V

2637

Capacitance EIA code

FTHV

Series
FTHV: hermetic case

1

Section and Option

1 = 340x125 2 connexions
2 = 340x125 4 connexions
3 = 340x175 2 connexions
4 = 340x175 4 connexions

1

Height

1 = 240mm
2 = 305mm
3 = 380mm
4 = 460mm
5 = 540mm
6 = 620mm

M

Terminal Code
F = female
M = male

R

Voltage
R = 1500V
S = 1750V
N = 2000V
T = 2250V
P = 2500V
W = 2750V
X = 3000V

2637

Capacitance EIA code

Not RoHS Compliant

Series Cross

AVX Series	Competitor
FFHV/FTHV	N/A
	N/A

FAQs

Q: What is the temperature range for the FFHV/FTHV Series?

A: -55°C to 85°C

Q: What is the capacitance range?

A: 88µF to 1620µF

Q: What is Self-Healing?

A: It's our signature technology, alternative to electrolytic, soft end of life.

Contact Information

North America

Europe

Asia

John Gallipeau
Field Applications Engineer TEL: +1(864) 967-9311
Email: John.Gallipeau@avx.com

Gilles Terzulli
Global Marketing Manager
TEL: +33 3 80 71 75 28
Email: terzullig@avx.com

Ben Soo
Product Manager
TEL: +65 6424 0352
Email: ben.soo@avx.com