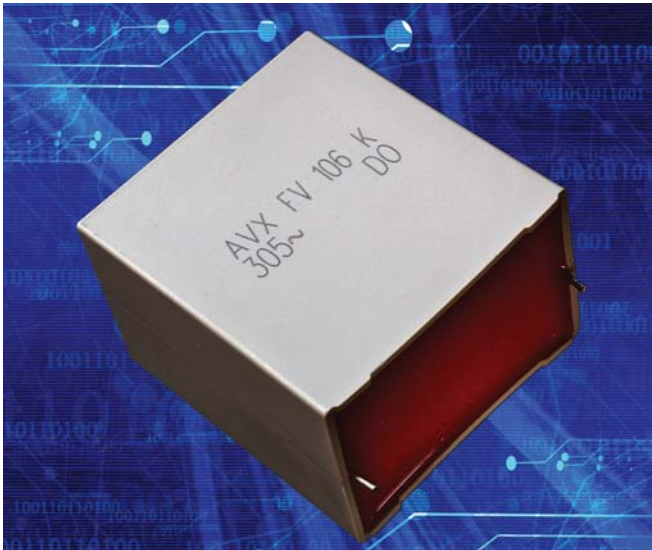


Metallized Polypropylene Film AC Capacitor (Interference Suppressors Class-X2)

FV

AC FILTERING



FV are non-inductively wound with metallized polypropylene film as dielectric and electrode, encapsulated in solventresistant and self – extinguishing UL94v0 thermoplastic case, with epoxy resin sealed. They provide interference Suppression with safety approvals. They are suitable for Across-the-line Capacitors, EMI Filters, Spark-Killer Circuits, etc.

APPLICATIONS

- The FV capacitor is suitable for Across-the-line, EMI Filters
- Capacitance Range: 0.01uF ~ 10.0uF
- Capacitance Tolerance: ±10% (K), ±20% (M)
- Rated Voltage: 305V_{rms}
- Frequency: 50Hz, 60Hz
- Insulation Resistance: > 15,000MΩ (≤ 0.33uF)
> 5,000MΩ (> 0.33uF)
- Dielectric Strength: 1312VDC for 60sec.
Or 2000vdc for 2sec

Climatic Category: 40/110/56

Passive Flammability Category: B

WORKING TEMPERATURE

Operating Temperature Range: -40°C to +110°C

FEATURES

- Self-healing properties.
- High moisture resistance.
- Over voltage stress withstanding.
- Excellent active and passive flame resistant abilities
- Widely used in across-the-line, interference suppression circuit, etc.

STANDARDS

ENEC-VDE: EN60384-14(2005)

UL/CUL: UL60384-14 / CSA E60384-14

KC: K60384-14

CQC: GB/T 14472

HOW TO ORDER

| FV | A1 | 6 | H | 0103 | K | 2 | L |
|---------------|---|-------------------|----------------|-----------------------------|----------------------|---|--|
| Series | Case | Dielectric | Voltage | Capacitance EIA Code | Tolerances | Environment Type | Lead Length |
| | A1-A3 B1 C1-C9 D1-D6 E1-E9 F1-F9 | 6 = Polypropylene | H = 305V | 0103 = 0.01μF | K = ±10% M = ±20% | 2 = standard environment H = THB (temperature humidity bias) | L = 22mm 2 = 3.5 mm T = Tape packaging |

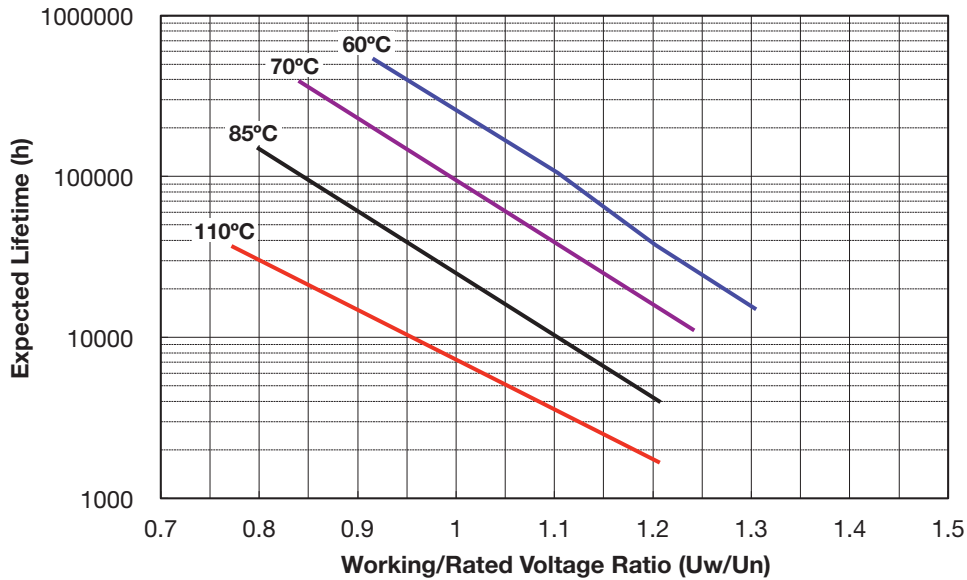
Metallized Polypropylene Film AC Capacitor (Interference Suppressors Class-X2)



FV

LIFETIME EXPECTANCY VS HOT SPOT TEMPERATURE AND VOLTAGE

Expected Lifetime Curves

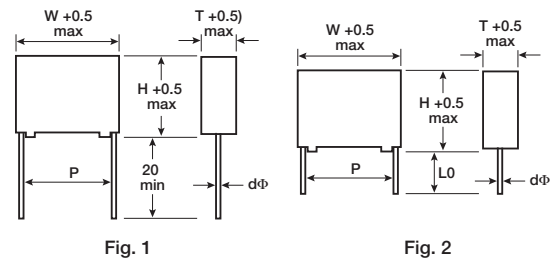


AC FILTERING

DIMENSIONS

| AVX Case Ref | W (mm) | H (mm) | T (mm) | P (mm) | d (mm) |
|--------------|--------|--------|--------|--------|--------|
| A1 | 13 | 11 | 5 | 10 | 0.6 |
| A2 | 13 | 12 | 6 | 10 | 0.6 |
| A3 | 13 | 16 | 8 | 10 | 0.6 |
| B1 | 15 | 13.5 | 7 | 12.5 | 0.8 |
| C1 | 18 | 11 | 5 | 15 | 0.6 |
| C2 | 18 | 12 | 6 | 15 | 0.6 |
| C3 | 18 | 12 | 6 | 15 | 0.8 |
| C4 | 18 | 13.5 | 7.5 | 15 | 0.8 |
| C5 | 18 | 14 | 8 | 15 | 0.8 |
| C6 | 18 | 16 | 10 | 15 | 0.8 |
| C7 | 18 | 18 | 9 | 15 | 0.8 |
| C8 | 18 | 18 | 10 | 15 | 0.8 |
| C9 | 18 | 19 | 11 | 15 | 0.8 |
| D1 | 26 | 17 | 8.5 | 22.5 | 0.8 |
| D2 | 26 | 19 | 10 | 22.5 | 0.8 |
| D3 | 26 | 20 | 11 | 22.5 | 0.8 |
| D4 | 26 | 22 | 12 | 22.5 | 0.8 |
| D5 | 26 | 23 | 13 | 22.5 | 0.8 |
| D6 | 26 | 25 | 15 | 22.5 | 0.8 |
| E1 | 31 | 20 | 11 | 27.5 | 0.8 |
| E2 | 31 | 22 | 13 | 27.5 | 0.8 |
| E3 | 31 | 28 | 14 | 27.5 | 0.8 |
| E4 | 31 | 28 | 18 | 27.5 | 0.8 |
| E5 | 31 | 28 | 19.5 | 27.5 | 0.8 |
| E6 | 31 | 33 | 18 | 27.5 | 0.8 |
| E7 | 31 | 35 | 26 | 27.5 | 0.8 |
| E8 | 31 | 31 | 23 | 27.5 | 0.8 |
| E9 | 31 | 36 | 22 | 27.5 | 0.8 |
| F1 | 41.5 | 32 | 16 | 37.5 | 1 |
| F2 | 41.5 | 28 | 19 | 37.5 | 1 |
| F3 | 41.5 | 32 | 19 | 37.5 | 1 |
| F4 | 41.5 | 36 | 19 | 37.5 | 1 |
| F5 | 41.5 | 38 | 20 | 37.5 | 1 |
| F6 | 41.5 | 40 | 20 | 37.5 | 1 |
| F7 | 41.5 | 43 | 28 | 37.5 | 1 |
| F8 | 41.5 | 44 | 24 | 37.5 | 1 |
| F9 | 41.5 | 45 | 30 | 37.5 | 1 |

GENERAL DESCRIPTION



Metallized Polypropylene Film AC Capacitor (Interference Suppressors Class-X2)



FV

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------------------|--|
| Climatic category | 40/110/56 (IEC 60384-14) |
| Test voltage between terminals @ 25°C | 1312Vdc, 60sec |
| Capacitance range C _n | 0.01μF to 10.0μF |
| Capacitance Tolerances: | ±10%, ±20% |
| Rated AC Voltage: | 305V _{rms} |
| Dielectric: | Polypropylene |
| Insulation Resistance: | > 15,000MΩ (≤0.33μF), > 5,000MΩ (> 0.33μF) after 1 minute electrification @ 100 Vdc & 25 °C |
| Lifetime (ΔC/C < 10%): | 100,000hrs @ U _r & 70°C |

RATINGS AND PART NUMBER REFERENCE – POLYPROPYLENE DIELECTRIC

| Cap (μF) ±10% | Rated Voltage (V) | AVX Part Number | Case Code | W ±0.50 (mm) | H ±0.50 (mm) | T ±0.50 (mm) | P ±1.00 (mm) | d ±0.50 (mm) | V/μs (Volt/sec) | I _{peak} (A) | Packaging Method (Fig 1) | | Packaging Method (Fig 2) | | Packaging Method (Taping) | |
|---|-------------------------|--------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|---------------------------------|--------------------------|
| | | | | | | | | | | | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) |
| V_{rms} = 305V Voltage Code: H | | | | | | | | | | | | | | | | |
| 0.010 | 305 | FVA16H0103*22 | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 4.0 | NA | NA | 850 | 360*170*35 | NA | NA |
| 0.010 | 305 | FVA16H0103*2L | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 4.0 | 1200 | 180*170*120 | NA | NA | NA | NA |
| 0.010 | 305 | FVA16H0103*2T | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 4.0 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.015 | 305 | FVA16H0153*22 | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 6.0 | NA | NA | 850 | 360*170*35 | NA | NA |
| 0.015 | 305 | FVA16H0153*2L | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 6.0 | 1200 | 180*170*120 | NA | NA | NA | NA |
| 0.015 | 305 | FVA16H0153*2T | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 6.0 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.022 | 305 | FVA16H0223*22 | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 8.8 | NA | NA | 850 | 360*170*35 | NA | NA |
| 0.022 | 305 | FVA16H0223*2L | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 8.8 | 1200 | 180*170*120 | NA | NA | NA | NA |
| 0.022 | 305 | FVA16H0223*2T | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 8.8 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.033 | 305 | FVA16H0333*22 | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 13.2 | NA | NA | 850 | 360*170*35 | NA | NA |
| 0.033 | 305 | FVA16H0333*2L | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 13.2 | 1200 | 180*170*120 | NA | NA | NA | NA |
| 0.033 | 305 | FVA16H0333*2T | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 13.2 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.047 | 305 | FVA16H0473*22 | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 18.8 | NA | NA | 850 | 360*170*35 | NA | NA |
| 0.047 | 305 | FVA16H0473*2L | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 18.8 | 1200 | 180*170*120 | NA | NA | NA | NA |
| 0.047 | 305 | FVA16H0473*2T | A1 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 | 400.0 | 18.8 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.047 | 305 | FVA26H0473*22 | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 18.8 | NA | NA | 700 | 360*170*35 | NA | NA |
| 0.047 | 305 | FVA26H0473*2L | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 18.8 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.047 | 305 | FVA26H0473*2T | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 18.8 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.056 | 305 | FVA26H0563*22 | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 22.4 | NA | NA | 700 | 360*170*35 | NA | NA |
| 0.056 | 305 | FVA26H0563*2L | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 22.4 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.056 | 305 | FVA26H0563*2T | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 22.4 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.068 | 305 | FVA26H0683*22 | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 27.2 | NA | NA | 700 | 360*170*35 | NA | NA |
| 0.068 | 305 | FVA26H0683*2L | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 27.2 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.068 | 305 | FVA26H0683*2T | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 27.2 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.082 | 305 | FVA26H0823*22 | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 32.8 | NA | NA | 700 | 360*170*35 | NA | NA |
| 0.082 | 305 | FVA26H0823*2L | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 32.8 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.082 | 305 | FVA26H0823*2T | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 32.8 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.100 | 305 | FVA26H0104*22 | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 40.0 | NA | NA | 700 | 360*170*35 | NA | NA |
| 0.100 | 305 | FVA26H0104*2L | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 40.0 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.100 | 305 | FVA26H0104*2T | A2 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 | 400.0 | 40.0 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.220 | 305 | FVA36H0224*22 | A3 | 13.0 | 16.0 | 8.0 | 10.0 | 0.6 | 400.0 | 88.0 | NA | NA | 500 | 360*170*35 | NA | NA |
| 0.220 | 305 | FVA36H0224*2L | A3 | 13.0 | 16.0 | 8.0 | 10.0 | 0.6 | 400.0 | 88.0 | 600 | 180*170*120 | NA | NA | NA | NA |
| 0.220 | 305 | FVA36H0224*2T | A3 | 13.0 | 16.0 | 8.0 | 10.0 | 0.6 | 400.0 | 88.0 | NA | NA | NA | NA | NA | 335*265*55 |

* Insert K for 10% capacitance tolerance (standard); M (+20%) tolerances available on request.

Second to last digit "2" can be replaced with "H" for THB version

Values outside this standard range may be available – please contact AVX for any special requirements.

AVX reserves the right to supply capacitors to a tighter capacitance tolerance or higher voltage rating, in the same case size.

Metalized Polypropylene Film AC Capacitor

(Interference Suppressors Class-X2)

FV

| Cap (μ F) $\pm 10\%$ | Rated Voltage (V) | AVX Part Number | Case Code | W ± 0.50 (mm) | H ± 0.50 (mm) | T ± 0.50 (mm) | P ± 1.00 (mm) | d ± 0.50 (mm) | V/ μ s (Volt/sec) | I peak (A) | Packaging Method (Fig 1) | | Packaging Method (Fig 2) | | Packaging Method (Taping) | |
|---|-------------------------|--------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------|--------------------------------|--------------------------|--------------------------------|--------------------------|---------------------------------|--------------------------|
| V _{rms} = 305V Voltage Code: H | | | | | | | | | | | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) |
| 0.220 | 305 | FVB16H0224*22 | B1 | 15.0 | 13.5 | 7.0 | 12.5 | 0.8 | 400.0 | 88.0 | NA | NA | 520 | 360*170*35 | NA | NA |
| 0.220 | 305 | FVB16H0224*2L | B1 | 15.0 | 13.5 | 7.0 | 12.5 | 0.8 | 400.0 | 88.0 | 800 | 180*170*120 | NA | NA | NA | NA |
| 0.220 | 305 | FVB16H0224*2T | B1 | 15.0 | 13.5 | 7.0 | 12.5 | 0.8 | 400.0 | 88.0 | NA | NA | NA | NA | 400 | 335*265*55 |
| 0.015 | 305 | FVC16H0103*22 | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 4.5 | NA | NA | 600 | 360*170*35 | NA | NA |
| 0.015 | 305 | FVC16H0103*2L | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 4.5 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.015 | 305 | FVC16H0103*2L | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 4.5 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.047 | 305 | FVC16H0473*22 | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 14.1 | NA | NA | 600 | 360*170*35 | NA | NA |
| 0.047 | 305 | FVC16H0473*2L | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 14.1 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.047 | 305 | FVC16H0473*2T | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 14.1 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.056 | 305 | FVC16H0563*22 | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 16.8 | NA | NA | 600 | 360*170*35 | NA | NA |
| 0.056 | 305 | FVC16H0563*2L | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 16.8 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.056 | 305 | FVC16H0563*2T | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 16.8 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.100 | 305 | FVC16H0104*22 | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 30.0 | NA | NA | 600 | 360*170*35 | NA | NA |
| 0.100 | 305 | FVC16H0104*2L | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 30.0 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.100 | 305 | FVC16H0104*2T | C1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 30.0 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.068 | 305 | FVC26H0683*22 | C2 | 18.0 | 12.0 | 6.0 | 15.0 | 0.6 | 300.0 | 20.4 | NA | NA | 500 | 360*170*35 | NA | NA |
| 0.068 | 305 | FVC26H0683*2L | C2 | 18.0 | 12.0 | 6.0 | 15.0 | 0.6 | 300.0 | 20.4 | 800 | 180*170*120 | NA | NA | NA | NA |
| 0.068 | 305 | FVC26H0683*2T | C2 | 18.0 | 12.0 | 6.0 | 15.0 | 0.6 | 300.0 | 20.4 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.082 | 305 | FVC26H0823*22 | C2 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 24.6 | NA | NA | 600 | 360*170*35 | NA | NA |
| 0.082 | 305 | FVC26H0823*2L | C2 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 24.6 | 1000 | 180*170*120 | NA | NA | NA | NA |
| 0.082 | 305 | FVC26H0823*2T | C2 | 18.0 | 11.0 | 5.0 | 15.0 | 0.6 | 300.0 | 24.6 | NA | NA | NA | NA | 600 | 335*265*55 |
| 0.150 | 305 | FVC36H0154*22 | C3 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 | 200.0 | 30.0 | NA | NA | 500 | 360*170*35 | NA | NA |
| 0.150 | 305 | FVC36H0154*2L | C3 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 | 200.0 | 30.0 | 800 | 180*170*120 | NA | NA | NA | NA |
| 0.150 | 305 | FVC36H0154*2T | C3 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 | 200.0 | 30.0 | NA | NA | NA | NA | 500 | 335*265*55 |
| 0.220 | 305 | FVC46H0224*22 | C4 | 18.0 | 13.5 | 7.5 | 15.0 | 0.8 | 200.0 | 44.0 | NA | NA | 410 | 360*170*35 | NA | NA |
| 0.220 | 305 | FVC46H0224*2L | C4 | 18.0 | 13.5 | 7.5 | 15.0 | 0.8 | 200.0 | 44.0 | 600 | 180*170*120 | NA | NA | NA | NA |
| 0.220 | 305 | FVC46H0224*2T | C4 | 18.0 | 13.5 | 7.5 | 15.0 | 0.8 | 200.0 | 44.0 | NA | NA | NA | NA | 400 | 335*265*55 |
| 0.330 | 305 | FVC56H0334*22 | C5 | 18.0 | 14.0 | 8.0 | 15.0 | 0.8 | 200.0 | 66.0 | NA | NA | 380 | 360*170*35 | NA | NA |
| 0.330 | 305 | FVC56H0334*2L | C5 | 18.0 | 14.0 | 8.0 | 15.0 | 0.8 | 200.0 | 66.0 | 500 | 180*170*120 | NA | NA | NA | NA |
| 0.330 | 305 | FVC56H0334*2T | C5 | 18.0 | 14.0 | 8.0 | 15.0 | 0.8 | 200.0 | 66.0 | NA | NA | NA | NA | 350 | 335*265*55 |
| 0.470 | 305 | FVC66H0474*22 | C6 | 18.0 | 16.0 | 10.0 | 15.0 | 0.8 | 200.0 | 94.0 | NA | NA | 300 | 360*170*35 | NA | NA |
| 0.470 | 305 | FVC66H0474*2L | C6 | 18.0 | 16.0 | 10.0 | 15.0 | 0.8 | 200.0 | 94.0 | 400 | 180*170*120 | NA | NA | NA | NA |
| 0.470 | 305 | FVC66H0474*2T | C6 | 18.0 | 16.0 | 10.0 | 15.0 | 0.8 | 200.0 | 94.0 | NA | NA | NA | NA | 300 | 335*265*55 |
| 0.470 | 305 | FVC76H0474*22 | C7 | 18.0 | 18.0 | 9.0 | 15.0 | 0.8 | 200.0 | 94.0 | NA | NA | 340 | 360*170*35 | NA | NA |
| 0.470 | 305 | FVC76H0474*2L | C7 | 18.0 | 18.0 | 9.0 | 15.0 | 0.8 | 200.0 | 94.0 | 400 | 180*170*120 | NA | NA | NA | NA |
| 0.470 | 305 | FVC76H0474*2T | C7 | 18.0 | 18.0 | 9.0 | 15.0 | 0.8 | 200.0 | 94.0 | NA | NA | NA | NA | 300 | 335*265*55 |
| 0.560 | 305 | FVC86H0564*22 | C8 | 18.0 | 18.0 | 10.0 | 15.0 | 0.8 | 200.0 | 112.0 | NA | NA | 300 | 360*170*35 | NA | NA |
| 0.560 | 305 | FVC86H0564*2L | C8 | 18.0 | 18.0 | 10.0 | 15.0 | 0.8 | 200.0 | 112.0 | 300 | 180*170*120 | NA | NA | NA | NA |
| 0.560 | 305 | FVC86H0564*2T | C8 | 18.0 | 18.0 | 10.0 | 15.0 | 0.8 | 200.0 | 112.0 | NA | NA | NA | NA | 300 | 335*265*55 |
| 0.680 | 305 | FVC96H0684*22 | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 136.0 | NA | NA | 270 | 360*170*35 | NA | NA |
| 0.680 | 305 | FVC96H0684*2L | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 136.0 | 300 | 180*170*120 | NA | NA | NA | NA |
| 0.680 | 305 | FVC96H0684*2T | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 136.0 | NA | NA | NA | NA | 250 | 335*265*55 |
| 0.820 | 305 | FVC96H0824*22 | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 164.0 | NA | NA | 270 | 360*170*35 | NA | NA |
| 0.820 | 305 | FVC96H0824*2L | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 164.0 | 300 | 180*170*120 | NA | NA | NA | NA |
| 0.820 | 305 | FVC96H0824*2T | C9 | 18.0 | 19.0 | 11.0 | 15.0 | 0.8 | 200.0 | 164.0 | NA | NA | NA | NA | 250 | 335*265*55 |
| 0.330 | 305 | FVD16H0334*22 | D1 | 26.0 | 17.0 | 8.5 | 22.5 | 0.8 | 200.0 | 66.0 | NA | NA | 240 | 360*170*35 | NA | NA |
| 0.330 | 305 | FVD16H0334*2L | D1 | 26.0 | 17.0 | 8.5 | 22.5 | 0.8 | 200.0 | 66.0 | 300 | 180*170*120 | NA | NA | NA | NA |
| 0.470 | 305 | FVD16H0474*22 | D1 | 26.0 | 17.0 | 8.5 | 22.5 | 0.8 | 200.0 | 94.0 | NA | NA | 240 | 360*170*35 | NA | NA |
| 0.470 | 305 | FVD16H0474*2L | D1 | 26.0 | 17.0 | 8.5 | 22.5 | 0.8 | 200.0 | 94.0 | 300 | 180*170*120 | NA | NA | NA | NA |

* Insert K for 10% capacitance tolerance (standard); M (+20%) tolerances available on request.

Second to last digit "2" can be replaced with "H" for THB version

Values outside this standard range may be available - please contact AVX for any special requirements.

AVX reserves the right to supply capacitors to a tighter capacitance tolerance or higher voltage rating, in the same case size.

Metalized Polypropylene Film AC Capacitor

(Interference Suppressors Class-X2)

FV

AC FILTERING

| Cap (μ F) $\pm 10\%$ | Rated Voltage (V) | AVX Part Number | Case Code | W ± 0.50 (mm) | H ± 0.50 (mm) | T ± 0.50 (mm) | P ± 1.00 (mm) | d ± 0.50 (mm) | V/ μ s (Volt/sec) | I peak (A) | Packaging Method (Fig 1) | Packaging Method (Fig 2) | Packaging Method (Taping) | | | |
|---|-------------------------|--------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------|--------------------------------|--------------------------------|---------------------------------|--------------------------|-----|--------------------------|
| V _{rms} = 305V Voltage Code: H | | | | | | | | | | | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) | Qty | Box Dimension (mm) |
| 0.680 | 305 | FVD26H0684*22 | D2 | 26.0 | 19.0 | 10.0 | 22.5 | 0.8 | 200.0 | 136.0 | NA | NA | 200 | 360*170*35 | NA | NA |
| 0.680 | 305 | FVD26H0684*2L | D2 | 26.0 | 19.0 | 10.0 | 22.5 | 0.8 | 200.0 | 136.0 | 250 | 180*170*120 | NA | NA | NA | NA |
| 0.820 | 305 | FVD26H0824*22 | D2 | 26.0 | 19.0 | 10.0 | 22.5 | 0.8 | 200.0 | 164.0 | NA | NA | 200 | 360*170*35 | NA | NA |
| 0.820 | 305 | FVD26H0824*2L | D2 | 26.0 | 19.0 | 10.0 | 22.5 | 0.8 | 200.0 | 164.0 | 250 | 180*170*120 | NA | NA | NA | NA |
| 1.000 | 305 | FVD36H0105*22 | D3 | 26.0 | 20.0 | 11.0 | 22.5 | 0.8 | 200.0 | 200.0 | NA | NA | 180 | 360*170*35 | NA | NA |
| 1.000 | 305 | FVD36H0105*2L | D3 | 26.0 | 20.0 | 11.0 | 22.5 | 0.8 | 200.0 | 200.0 | 200 | 180*170*120 | NA | NA | NA | NA |
| 1.200 | 305 | FVD46H0125*22 | D4 | 26.0 | 22.0 | 12.0 | 22.5 | 0.8 | 200.0 | 240.0 | NA | NA | 160 | 360*170*35 | NA | NA |
| 1.200 | 305 | FVD46H0125*2L | D4 | 26.0 | 22.0 | 12.0 | 22.5 | 0.8 | 200.0 | 240.0 | 100 | 180*170*120 | NA | NA | NA | NA |
| 1.500 | 305 | FVD56H0155*22 | D5 | 26.0 | 23.0 | 13.0 | 22.5 | 0.8 | 200.0 | 300.0 | NA | NA | 150 | 360*170*35 | NA | NA |
| 1.500 | 305 | FVD56H0155*2L | D5 | 26.0 | 23.0 | 13.0 | 22.5 | 0.8 | 200.0 | 300.0 | 100 | 180*170*120 | NA | NA | NA | NA |
| 1.800 | 305 | FVD56H0185*22 | D5 | 26.0 | 23.0 | 13.0 | 22.5 | 0.8 | 200.0 | 360.0 | NA | NA | 150 | 360*170*35 | NA | NA |
| 1.800 | 305 | FVD56H0185*2L | D5 | 26.0 | 23.0 | 13.0 | 22.5 | 0.8 | 200.0 | 360.0 | 100 | 180*170*120 | NA | NA | NA | NA |
| 2.200 | 305 | FVD66H0225*22 | D6 | 26.0 | 25.0 | 15.0 | 22.5 | 0.8 | 200.0 | 440.0 | NA | NA | 138 | 360*170*50 | NA | NA |
| 2.200 | 305 | FVD66H0225*2L | D6 | 26.0 | 25.0 | 15.0 | 22.5 | 0.8 | 200.0 | 440.0 | 100 | 180*170*120 | NA | NA | NA | NA |
| 1.000 | 305 | FVE16H0105*22 | E1 | 31.0 | 20.0 | 11.0 | 27.5 | 0.8 | 150.0 | 150.0 | NA | NA | 150 | 360*170*35 | NA | NA |
| 1.200 | 305 | FVE26H0125*22 | E2 | 31.0 | 22.0 | 13.0 | 27.5 | 0.8 | 150.0 | 180.0 | NA | NA | 130 | 360*170*35 | NA | NA |
| 1.500 | 305 | FVE26H0155*22 | E2 | 31.0 | 22.0 | 13.0 | 27.5 | 0.8 | 150.0 | 225.0 | NA | NA | 130 | 360*170*35 | NA | NA |
| 1.800 | 305 | FVE36H0185*22 | E3 | 31.0 | 28.0 | 14.0 | 27.5 | 0.8 | 150.0 | 270.0 | NA | NA | 125 | 360*170*50 | NA | NA |
| 2.200 | 305 | FVE36H0225*22 | E3 | 31.0 | 28.0 | 14.0 | 27.5 | 0.8 | 150.0 | 330.0 | NA | NA | 125 | 360*170*50 | NA | NA |
| 2.700 | 305 | FVE46H0275*22 | E4 | 31.0 | 28.0 | 18.0 | 27.5 | 0.8 | 150.0 | 405.0 | NA | NA | 95 | 360*170*50 | NA | NA |
| 3.000 | 305 | FVE56H0305*22 | E5 | 31.0 | 28.0 | 19.5 | 27.5 | 0.8 | 150.0 | 450.0 | NA | NA | 85 | 360*170*50 | NA | NA |
| 3.300 | 305 | FVE66H0335*22 | E6 | 31.0 | 33.0 | 18.0 | 27.5 | 0.8 | 150.0 | 495.0 | NA | NA | 95 | 360*170*50 | NA | NA |
| 3.900 | 305 | FVE76H0395*22 | E7 | 31.0 | 35.0 | 26.0 | 27.5 | 0.8 | 150.0 | 585.0 | NA | NA | 65 | 360*170*50 | NA | NA |
| 3.900 | 305 | FVE86H0395*22 | E8 | 31.0 | 31.0 | 23.0 | 27.5 | 0.8 | 150.0 | 585.0 | NA | NA | 75 | 360*170*50 | NA | NA |
| 3.900 | 305 | FVF16H0395*22 | F1 | 41.5 | 32.0 | 16.0 | 37.5 | 1.0 | 100.0 | 390.0 | NA | NA | 84 | 360*170*50 | NA | NA |
| 3.900 | 305 | FVF26H0395*22 | F2 | 41.5 | 28.0 | 19.0 | 37.5 | 1.0 | 100.0 | 390.0 | NA | NA | 72 | 360*170*50 | NA | NA |
| 4.700 | 305 | FVE76H0475*22 | E7 | 31.0 | 35.0 | 26.0 | 27.5 | 0.8 | 150.0 | 705.0 | NA | NA | 65 | 360*170*50 | NA | NA |
| 4.700 | 305 | FVE96H0475*22 | E9 | 31.0 | 36.0 | 22.0 | 27.5 | 0.8 | 150.0 | 705.0 | NA | NA | 75 | 360*170*50 | NA | NA |
| 4.700 | 305 | FVF36H0475*22 | F3 | 41.5 | 32.0 | 19.0 | 37.5 | 1.0 | 100.0 | 470.0 | NA | NA | 72 | 360*170*50 | NA | NA |
| 4.700 | 305 | FVF46H0475*22 | F4 | 41.5 | 36.0 | 19.0 | 37.5 | 1.0 | 100.0 | 470.0 | NA | NA | 72 | 360*170*50 | NA | NA |
| 5.600 | 305 | FVF36H0565*22 | F3 | 41.5 | 32.0 | 19.0 | 37.5 | 1.0 | 100.0 | 560.0 | NA | NA | 72 | 360*170*50 | NA | NA |
| 5.600 | 305 | FVF56H0565*22 | F5 | 41.5 | 38.0 | 20.0 | 37.5 | 1.0 | 100.0 | 560.0 | NA | NA | 68 | 360*170*50 | NA | NA |
| 5.600 | 305 | FVF66H0565*22 | F6 | 41.5 | 40.0 | 20.0 | 37.5 | 1.0 | 100.0 | 560.0 | NA | NA | 56 | 350*170*80 | NA | NA |
| 6.800 | 305 | FVF56H0685*22 | F5 | 41.5 | 38.0 | 20.0 | 37.5 | 1.0 | 100.0 | 680.0 | NA | NA | 68 | 360*170*50 | NA | NA |
| 6.800 | 305 | FVF76H0685*22 | F7 | 41.5 | 43.0 | 28.0 | 37.5 | 1.0 | 100.0 | 680.0 | NA | NA | 48 | 350*170*80 | NA | NA |
| 6.800 | 305 | FVF86H0685*22 | F8 | 41.5 | 44.0 | 24.0 | 37.5 | 1.0 | 100.0 | 680.0 | NA | NA | 42 | 350*170*80 | NA | NA |
| 8.200 | 305 | FVF56H0825*22 | F5 | 41.5 | 38.0 | 25.0 | 37.5 | 1.0 | 100.0 | 820.0 | NA | NA | 56 | 360*170*50 | NA | NA |
| 8.200 | 305 | FVF66H0825*22 | F6 | 41.5 | 40.0 | 20.0 | 37.5 | 1.0 | 100.0 | 820.0 | NA | NA | 56 | 350*170*80 | NA | NA |
| 8.200 | 305 | FVF76H0825*22 | F7 | 41.5 | 43.0 | 28.0 | 37.5 | 1.0 | 100.0 | 820.0 | NA | NA | 48 | 350*170*80 | NA | NA |
| 10.000 | 305 | FVF76H0106*22 | F7 | 41.5 | 43.0 | 28.0 | 37.5 | 1.0 | 100.0 | 1000 | NA | NA | 48 | 350*170*80 | NA | NA |
| 10.000 | 305 | FVF96H0106*22 | F9 | 41.5 | 45.0 | 30.0 | 37.5 | 1.0 | 100.0 | 1000 | NA | NA | 44 | 350*170*80 | NA | NA |

* Insert K for 10% capacitance tolerance (standard); M (+20%) tolerances available on request.

Second to last digit "2" can be replaced with "H" for THB version

Values outside this standard range may be available – please contact AVX for any special requirements.

AVX reserves the right to supply capacitors to a tighter capacitance tolerance or higher voltage rating, in the same case size.