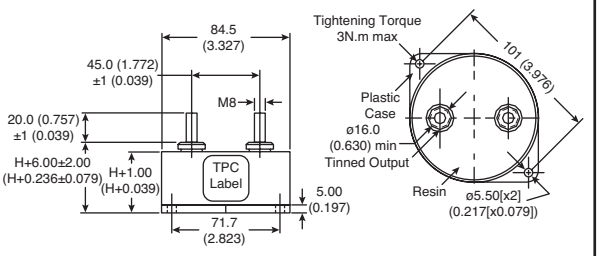
AVX Medium Power Film Capacitors

FFVS SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µf)	Height mm (in.)	Irms (A)	Price Each 1	5	10
600V							
581-FFVS6K0226K	FFVS6K0226K--	22	34 (1.339)	78	**160.78**	**145.44**	**128.62**
581-FFVS6K0147K	FFVS6K0147K--	140	51 (2.008)	82	**212.68**	**193.86**	**170.14**
800V							
581-FFVS6B0586K	FFVS6B0586K--	58	40 (1.575)	83	**170.45**	**152.77**	**136.36**
581-FFVS6B1286K	FFVS6B1286K--	128	64 (2.520)	84	**199.98**	**170.66**	**159.98**
900V							
581-FFVS6C0306K	FFVS6C0306K--	30	34 (1.339)	56	**159.13**	**146.12**	**127.30**
581-FFVS6C0656K	FFVS6C0656K--	65	51 (2.520)	86	**167.05**	**155.00**	**133.64**
1000V							
581-FFVS6L0956K	FFVS6L0956K--	95	51 (2.008)	63	**173.18**	**158.58**	**138.54**
1200V							
581-FFVS6U0656K	FFVS6U0656K--	65	51 (2.520)	57	**171.10**	**158.58**	**136.88**
1900V							
581-FFVS6U0656K	FFVS6N0226K--	22	51 (2.520)	68	**171.10**	**158.58**	**136.88**

DIMENSIONS: mm (in.)



FFB SERIES

The FFB series uses a non-impregnated metallized polypropylene or polyester dielectric with the controlled self-healing process, specially treated to have a very high dielectric strength in operating conditions up to 105°C

Applications:
- The FFB capacitor is particularly designed for DC filtering, low reactive power

Features:
- Self-extinguishing plastic case (V0 = in accordance with UL 94) filled thermosetting resin

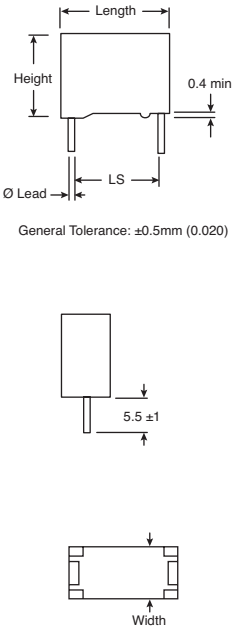
Electrical Characteristics:
- Tolerance on Cn: ±10%
- Dielectric:
  75 to 400V Rated DC Voltage = polyester
  525 to 1100V Rated DC Voltage = polypropylene
- Working Temperature: -55°C to +105°C

Lifetime Expectancy:
One unique feature of this technology is how the capacitor reacts at the end of its lifetime. With the AVX line of film capacitors, the capacitor will simply experience at the end of life a loss of capacitance of about 2%, with no risk of explosion.
Please note that this is theoretical, however, as the capacitor continues to be functional even after this 2% decrease.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (µf)	Irms Max (A)	Dimensions: mm (in.) Length mm	Width mm	Height mm	LS mm	Price Each 1	5	10
Vndc 75V Vrms Max.: 45 Volts											
581-FFB14D0336K	FFB14D0336K--	75	33	3	31.1	13.0	22.4	27.5	**12.30**	**11.40**	**9.84**
581-FFB34D0686K	FFB34D0686K--	75	68	46.2	31.1	17.3	29.8	27.5	**20.55**	**20.31**	**16.44**
581-FFB54D0117K	FFB54D0117K--	75	110	10	32.0	22.0	37.0	27.5	**44.38**	**41.58**	**35.50**
Vndc 100V Vrms Max.: 60 Volts											
581-FFB14E0206K	FFB14E0206K--	100	20	2.6	31.1	13.0	22.4	27.5	**8.90**	**8.16**	**7.12**
581-FFB44E0476K	FFB44E0476K--	100	47	6	31.1	20.8	31.3	27.5	**17.08**	**16.50**	**13.66**
581-FFB54E0686K	FFB54E0686K--	100	68	9	32.0	22.0	37.0	27.5	**29.18**	**25.12**	**23.34**
Vndc 300V Vrms Max.: 90 Volts											
581-FFB14H0755K	FFB14H0755K--	300	7.5	2.4	31.1	13.0	22.4	27.5	**5.85**	**4.86**	**4.68**
581-FFB44H0186K	FFB44H0186K--	300	18	6	31.1	20.8	31.3	27.5	**10.30**	**9.70**	**8.24**
581-FFB54H0276K	FFB54H0276K--	300	27	9	32.0	22.0	37.0	27.5	**22.28**	**20.16**	**17.82**
Vndc 400V Vrms Max.: 105 Volts											
581-FFB14I0625K	FFB14I0625K--	400	6.2	2.5	31.1	13.0	22.4	27.5	**5.73**	**4.77**	**4.58**
581-FFB44I0156K	FFB44I0156K--	400	15	6.2	31.1	20.8	31.3	27.5	**10.20**	**8.95**	**8.20**
581-FFB54I0206K	FFB54I0206K--	400	20	8.2	32.0	22.0	37.0	27.5	**22.28**	**20.16**	**17.82**
Vndc 525V Vrms Max.: 105 Volts											
581-FFB16J0395K	FFB16J0395K--	525	3.9	5.1	31.1	13.0	22.4	27.5	**5.45**	**5.01**	**4.36**
581-FFB46J0106K	FFB46J0106K--	525	10	12	31.1	20.8	31.3	27.5	**11.70**	**10.32**	**9.62**
581-FFB56J0136K	FFB56J0136K--	525	13	12	32.0	22.0	37.0	27.5	**21.45**	**19.43**	**17.16**
Vndc 720V Vrms Max.: 120 Volts											
581-FFB16A0335K	FFB16A0335K--	720	3.3	5	31.1	13.0	22.4	27.5	**5.20**	**4.50**	**4.16**
581-FFB46A0755K	FFB46A0755K--	720	7.5	11.4	31.1	20.8	31.3	27.5	**10.15**	**9.72**	**8.12**
581-FFB56A0106K	FFB56A0106K--	720	10	12	32.0	22.0	37.0	27.5	**21.05**	**18.97**	**16.84**
Vndc 900V Vrms Max.: 150 Volts											
581-FFB16C0205K	FFB16C0205K--	900	2	3.6	31.1	13.0	22.4	27.5	**4.95**	**4.11**	**3.96**
581-FFB46C0515K	FFB46C0515K--	900	5.1	9.3	31.1	20.8	31.3	27.5	**10.05**	**8.61**	**8.12**
Vndc 1100V Vrms Max.: 180 Volts											
581-FFB16L0155K	FFB16L0155K--	1100	1.5	3.3	31.1	13.0	22.4	27.5	**5.57**	**5.17**	**4.63**
581-FFB46L0305K	FFB46L0305K--	1100	3	6.6	31.1	20.8	31.3	27.5	**9.47**	**8.77**	**7.64**
581-FFB56L0475K	FFB56L0475K--	1100	4.7	10.3	32.0	22.0	37.0	27.5	**13.40**	**11.47**	**10.72**

DIMENSIONS: mm (in.)

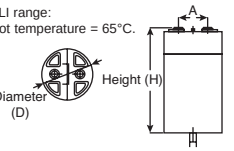


FFLI SERIES

Electrical Characteristics:
- Dry with controlled self-healing metallized polypropylene dielectric
- Climatic Category: 40/95/56 (IEC68)
- Working temperature: -40°C/+ 95°C (according to the power dissipated)
- Storage temperature: -40°C/+85°C
- Test voltage between terminals: @ 25°C: 1.5 x Undc during 10s
- Test voltage between terminals and case: @ 25°C:@ 4kVrms @ 50Hz during 1 min
- Dielectric: Polypropylene

Lifetime Expectancy
- Expected life time for FFLI range: 100,000Hrs/Undc/Hot-spot temperature = 65°C.

PRODUCT NEW



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Capacitance (µF)	Dimensions: mm (in.) Diameter (D)	Height (H)	Dist. Betw. Leads (A)	Irms (A)	Terminal	Price Each 1	5	10
Volts 800										
581-FFLI6B0687KJE	FFLI6B0687KJE	680	85	155	32	53	Female	**172.19**	**163.36**	**158.06**
581-FFLI6B1607KM	FFLI6B1607K--	1600	116	180	50	72	Male	**313.37**	**297.30**	**287.65**
581-FFLI6B1607KJE	FFLI6B1607KJE	1600	116	180	50	72	Female	**313.37**	**297.30**	**287.65**
581-FFLI6B3007KM	FFLI6B3007K--	3000	116	340	50	100	Male	**568.43**	**539.28**	**521.79**
581-FFLI6B3007KJE	FFLI6B3007KJE	3000	116	340	50	100	Female	**568.43**	**539.28**	**521.79**
Volts 1000										
581-FFLI6L0657KM	FFLI6L0657K--	650	100	155	50	60	Male	**186.23**	**176.68**	**170.95**
581-FFLI6L0657KJE	FFLI6L0657KJE	650	100	155	50	60	Female	**186.23**	**176.68**	**170.95**
581-FFLI6L0267KM	FFLI6L0267K--	260	85	105	32	56	Male	**120.51**	**114.33**	**110.62**
581-FFLI6L0267KJE	FFLI6L0267KJE	260	85	105	32	56	Female	**120.51**	**114.33**	**110.62**
Volts 1150										
581-FFLI6U0157KM	FFLI6U0157K--	150	75	105	32	44	Male	**98.28**	**93.24**	**90.22**
581-FFLI6U0157KJE	FFLI6U0157KJE	150	75	105	32	44	Female	**98.28**	**93.24**	**90.22**
581-FFLI6U0437KM	FFLI6U0437K--	430	85	180	32	43	Male	**148.20**	**140.60**	**136.04**
581-FFLI6U0437KJE	FFLI6U0437KJE	430	85	180	32	43	Female	**148.20**	**140.60**	**136.04**
581-FFLI6U0867KM	FFLI6U0867K--	860	116	180	50	64	Male	**230.69**	**218.86**	**211.76**
581-FFLI6U0867KJE	FFLI6U0867KJE	860	116	180	50	64	Female	**230.69**	**218.86**	**211.76**
Volts 1400										
581-FFLI6Q0257KM	FFLI6Q0257K--	250	85	155	32	42	Male	**125.78**	**119.33**	**115.46**
581-FFLI6Q0257KJE	FFLI6Q0257KJE	250	85	155	32	42	Female	**125.78**	**119.33**	**115.46**
581-FFLI6Q0607KM	FFLI6Q0607K--	600	116	180	50	60	Male	**203.00**	**192.59**	**186.34**
581-FFLI6Q0607KJE	FFLI6Q0607KJE	600	116	180	50	60	Female	**203.00**	**192.59**	**186.34**

© Copyright 2011 Mouser Electronics

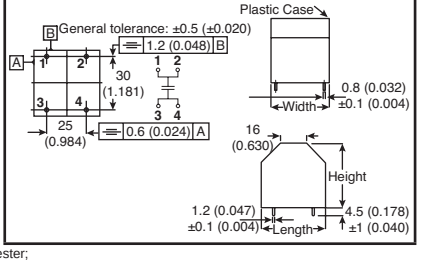
FFV3 SERIES

Applications:
- The FFV3 capacitors are particularly designed for DC filtering, low reactive power

Features:
- Self-extinguishing plastic case (V0 = in accordance with UL 94) filled thermosetting resin

Electrical Characteristics:
- Tolerance on Cn: ±10%
- Dielectric: 75 to 400V Rated DC Voltage = polyester;
  500 to 1100V Rated DC Voltage = polypropylene

DIMENSIONS: mm (in.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (µF)	Irms Max (A)	Price Each 1	5	10
Vndc = 75 V Vrms = 45 V Max							
581-FFV34D0167K	FFV34D0167K	75	160	23	**39.47**	**37.98**	**36.23**
Vndc = 100 V Vrms = 60 V Max							
581-FFV34E0107K	FFV34E0107K	100	100	24	**34.66**	**32.49**	**30.32**
Vndc = 300 V Vrms = 90 V Max							
581-FFV34H0506K	FFV34H0506K	300	50	26	**30.10**	**28.12**	**26.33**
Vndc = 400 V Vrms = 105 V Max							
581-FFV34I0406K	FFV34I0406K	400	40	23	**30.70**	**28.26**	**26.86**
Vndc = 500 V Vrms = 105 V Max							
581-FFV36J0206K	FFV36J0206K	500	20	27	**22.40**	**21.57**	**19.60**
Vndc = 700 V Vrms = 120 V Max							
581-FFV36A0206K	FFV36A0206K	700	20	30	**23.44**	**22.10**	**20.51**
Vndc = 900 V Vrms = 150 V Max							
581-FFV36C0136K	FFV36C0136K	900	13	25	**22.44**	**21.57**	**19.60**
Vndc = 1100 V Vrms = 180 V Max							
581-FFV36L0905K	FFV36L0905K	1100	9	20	**21.80**	**20.10**	**19.07**

© Copyright 2011 Mouser Electronics