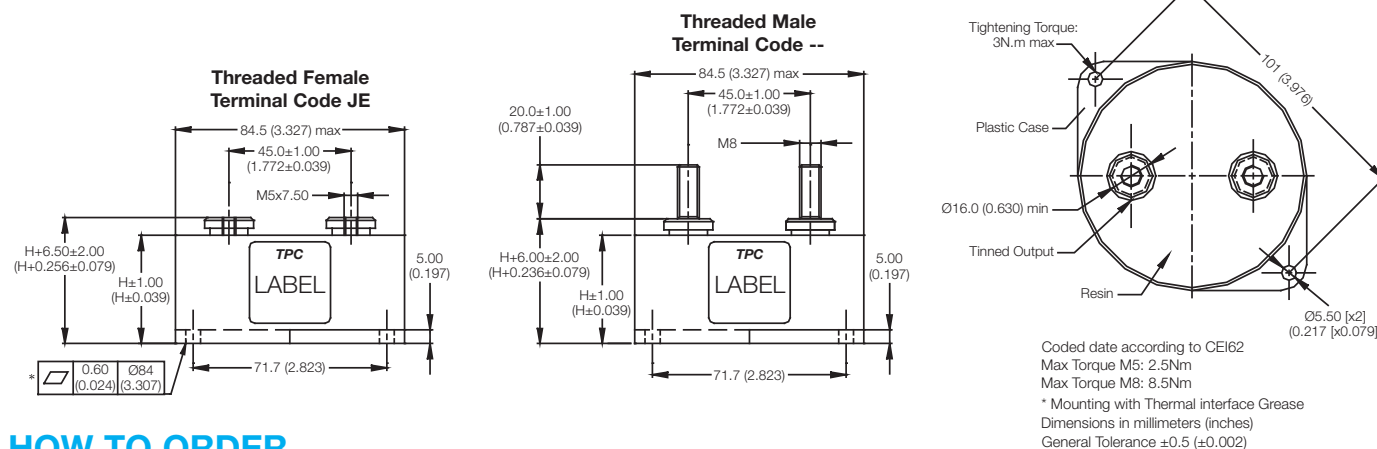


Low Inductance Range Capacitor for Power Electronics

Two cylindrical capacitors, one in the foreground and one in the background. They have a red top half and a blue bottom half. Each has two silver terminals on top. A white label on the blue part of each capacitor reads "FFVS".

FFVS products are RoHs compliant.

Threaded female terminals version M5 x 7.5mm are also available. To order, the suffix becomes "JE" instead of "--".

 θ_{case} = bottom center of case

Medium Power Film Capacitors



FFVS (RoHS Compliant)

Low Inductance Range Capacitor for Power Electronics

ELECTRICAL CHARACTERISTICS

Working temperature -40°C +105°C (according to the power to be dissipated)

Capacitance range C_N 22 μ F to 200 μ F

Tolerance on C_N $\pm 10\%$

Rated dc voltage U_N dc 600V to 1900V

Test voltage between terminals @ 25°C: $1.5 \times U_N$ dc during 10s

Insulation voltage between shorted terminals and earth (type test) @ 4 kVrms @ 50Hz during 1 min.

DC FILTERING

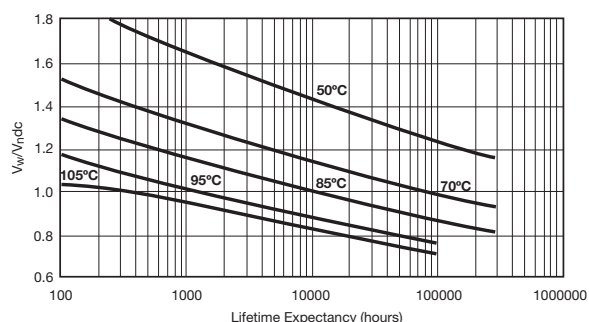
RATINGS AND PART NUMBER REFERENCE

Part Number	Capacitance (μ F)	Height mm (inches)	I_{rms} (A)	I^2t (A ² s)	L_s max. (nH)	R_s (m Ω)	R_{th} (°C/W)	Typical Weight (g)
U_Ndc 600 volts (Voltage Code K)								
FFVS6K0226K--	22	34 (1.339)	78	11.5	8	0.74	4.2	320
FFVS6K0906K--	90	40 (1.575)	84	24	9	0.60	4.9	345
FFVS6K0147K--	140	51 (2.008)	82	23.5	11	0.83	6.8	405
FFVS6K1956K--	195	64 (2.520)	84	24	13	1.04	8.6	475
U_Ndc 800 volts (Voltage Code B)								
FFVS6B0586K--	58	40 (1.575)	83	19	9	0.72	4.9	345
FFVS6B0926K--	92	51 (2.008)	83	19	11	0.99	6.7	405
FFVS6B1286K--	128	64 (2.520)	84	19.5	13	1.25	8.5	475
U_Ndc 900 volts (Voltage Code C)								
FFVS6C0306K--	30	34 (1.339)	56	7	8	1.55	4.2	320
FFVS6C0406K--	40	40 (1.575)	85	16.5	9	0.85	5.0	345
FFVS6C0656K--	65	51 (2.008)	86	17	11	1.15	6.7	405
FFVS6C0906K--	90	64 (2.520)	87	17	13	1.46	8.5	475
U_Ndc 1000 volts (Voltage Code L)								
FFVS6L0536K--	53	40 (1.575)	61	9.5	9	1.56	4.9	345
FFVS6L0956K--	95	51 (2.008)	63	11	11	1.98	6.7	405
FFVS6L1356K--	135	64 (2.520)	65	11.5	13	2.42	8.3	475
U_Ndc 1200 volts (Voltage Code U)								
FFVS6U0406K--	40	40 (1.575)	57	7.5	9	1.77	4.9	345
FFVS6U0656K--	65	51 (2.008)	57	7.5	11	2.38	6.8	405
FFVS6U0866K--	86	64 (2.520)	58	7	13	3.02	8.5	475
U_Ndc 1900 volts (Voltage Code N)								
FFVS6N0146K--	14	40 (1.575)	66	12.5	10	1.05	4.9	345
FFVS6N0226K--	22	51 (2.008)	68	13.5	13	1.26	6.3	405
FFVS6N0326K--	32	64 (2.520)	68	13.5	16	1.58	8.1	475

Dimensions millimeters (inches)

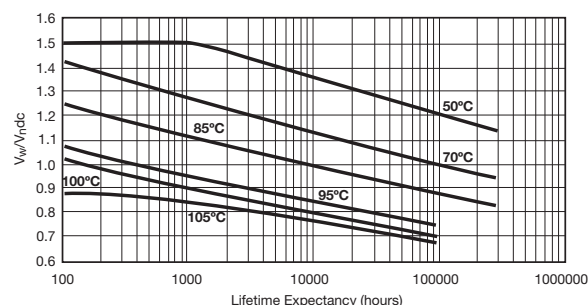
LIFETIME EXPECTANCY

FFVS for 600V, 800V and 900V



V_w : permanent working or operating DC-voltage.

FFVS for 1000V, 1200V and 1900V



V_w : permanent working or operating DC-voltage.



Mouser Electronics

Authorized Distributor

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Kyocera AVX:

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[FFVS6L0956K--](#) [FFVS6N0226K--](#) [FFVS6U0656K--](#) [FFVS6B0926K](#) [FFVS6C0406K](#) [FFVS6K0906K](#) [FFVS6K1956K](#)
[FFVS6L0536K](#) [FFVS6L1356K](#) [FFVS6N0146K](#) [FFVS6N0326K](#) [FFVS6U0406K](#)