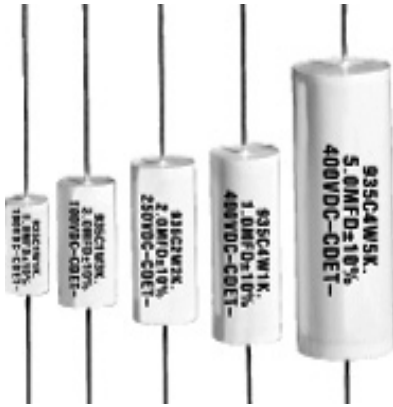


Type 935 Polypropylene Film Capacitors

Metallized Axial Leads



Power Supplies High Current Circuits

Type 935 axial-leaded, metallized polypropylene capacitors are designed for 20-100 kHz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc. recognition for construction only. U.L. File Number assigned is E128034(N).

Specifications

Voltage Range: 100-400 Vdc (70-275 Vac, 60 Hz)

Capacitance Range: 1-30 μ F

Capacitance Tolerance: $\pm 10\%$ (K) standard
 $\pm 5\%$ (J) optional

Operating Temperature Range: -55°C to 105°C^*

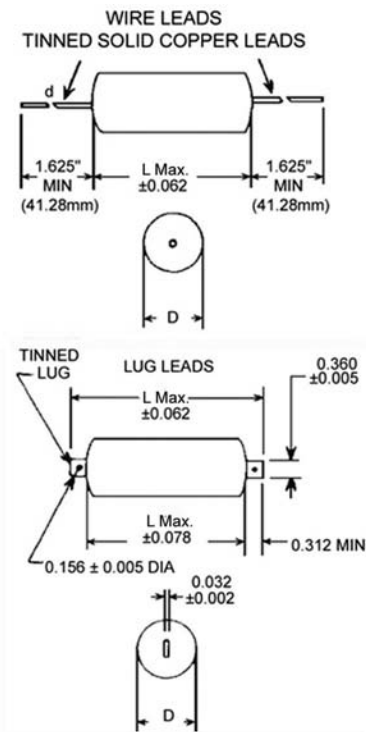
Dielectric Strength: 200% (1 minute)

Dissipation Factor: .10% Max. (25°C , 1kHz)

Insulation Resistance: 200,000 M. $\times \mu$ F

Life Test: 1,000 Hours at 85°C at 125% Rated Voltage

*Full-rated voltage at 85°C —Derate linearly to 50%-rated voltage at 105°C



Ratings and Dimensions

Normally Stocked

Cap. (μ F)	Catalog Part Number	D - D \pm		L Max.		d		Max ESR (milliohms) 20-100 kHz	dV/dt V/ μ s	Maximum Ripple Current (Amps RMS) 20-100 kHz							
		Inches	(mm)	Inches	(mm)	Inches	(mm)			Case Temperature							
											+25 $^{\circ}\text{C}$	+35 $^{\circ}\text{C}$	+45 $^{\circ}\text{C}$	+55 $^{\circ}\text{C}$	+65 $^{\circ}\text{C}$	+75 $^{\circ}\text{C}$	+85 $^{\circ}\text{C}$
With Wire Leads											100 Vdc (70 Vac)						
1	935C1W1K	0.469 \pm 0.062	(11.9) \pm (1.6)	0.750	(19.0)	0.032	(0.8)	15	25	9.2	8.5	7.8	7.0	6.0	4.9	4.5	
2	935C1W2K	0.534 \pm 0.062	(13.6) \pm (1.6)	0.938	(23.8)	0.032	(0.8)	12	16	10.8	10.0	9.1	8.2	7.0	5.8	5.3	
3	935C1W3K	0.624 \pm 0.093	(15.8) \pm (2.4)	0.938	(23.8)	0.040	(1.0)	11	16	12.1	11.2	10.3	9.2	8.0	6.5	5.9	
5	935C1W5K	0.640 \pm 0.093	(16.3) \pm (2.4)	1.250	(31.7)	0.040	(1.0)	10	10	13.8	12.7	11.6	10.4	9.0	7.4	6.7	
10	935C1W10K	0.805 \pm 0.093	(20.4) \pm (2.4)	1.500	(38.1)	0.040	(1.0)	9	8	15.0	15.0	14.2	12.7	11.0	9.0	8.2	
20	935C1W20K	0.875 \pm 0.125	(22.2) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	8	5	15.0	15.0	15.0	15.0	13.6	11.1	10.0	
30	935C1W30K	1.075 \pm 0.125	(27.3) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	6	5	15.0	15.0	15.0	15.0	15.0	12.4	11.4	

Type 935 Polypropylene Film Capacitors

Cap. (μ F)	Catalog Part Number	D - D \pm		L Max.		d		Max ESR (milliohms)	dV/dt V/ μ s	Maximum Ripple Current (Amps RMS) 20-100 kHz						
		Inches	(mm)	Inches	(mm)	Inches	(mm)	20-100 kHz	+25°C	+35°C	+45°C	+55°C	+65°C	+75°C	+85°C	
With Wire Leads		200 Vdc (140 Vac)														
1	935C2W1K	0.450 \pm 0.062	(11.4) \pm (1.6)	1.250	(31.7)	0.032	(0.8)	20	15	7.3	7.3	7.3	7.3	7.2	5.9	5.4
2	935C2W2K	0.605 \pm 0.093	(15.4) \pm (2.4)	1.250	(31.7)	0.032	(0.8)	15	15	12.0	12.0	11.3	10.1	8.7	7.1	6.5
3	935C2W3K	0.654 \pm 0.093	(16.6) \pm (2.4)	1.500	(38.1)	0.040	(1.0)	13	12	15.0	13.8	12.6	11.3	9.8	8.0	7.3
5	935C2W5K	0.769 \pm 0.093	(19.5) \pm (2.4)	1.750	(44.4)	0.040	(1.0)	11	9	15.0	15.0	14.7	13.1	11.4	9.3	8.5
10	935C2W10K	0.905 \pm 0.125	(23.0) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	9	7	15.0	15.0	15.0	15.0	13.8	11.3	10.3
20	935C2W20K	1.315 \pm 0.125	(33.4) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	6	7	15.0	15.0	15.0	15.0	15.0	14.1	12.8
With Wire Leads		400 Vdc (275 Vac)														
1	935C4W1K	0.620 \pm 0.093	(15.7) \pm (2.4)	1.500	(38.1)	0.032	(0.8)	19	19	9.5	9.5	9.5	9.5	9.5	7.8	7.1
2	935C4W2K	0.802 \pm 0.093	(20.4) \pm (2.4)	1.750	(44.4)	0.040	(1.0)	15	16	15.0	15.0	15.0	13.4	11.6	9.5	8.7
3	935C4W3K	0.961 \pm 0.125	(24.4) \pm (3.2)	1.750	(44.4)	0.040	(1.0)	12	16	15.0	15.0	15.0	15.0	13.1	10.7	9.8
5	935C4W5K	1.067 \pm 0.125	(27.1) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	10	11	15.0	15.0	15.0	15.0	15.0	12.5	11.4
10	935C4W10K	1.543 \pm 0.125	(39.2) \pm (3.2)	2.250	(57.1)	0.040	(1.0)	6	11	15.0	15.0	15.0	15.0	15.0	15.0	14.1
With Lug Leads		100 Vdc (70 Vac)														
1	935H1W1K	0.469 \pm 0.062	(11.9) \pm (1.6)	0.750	(19.0)	1.640	(41.6)	15	25	10.3	9.5	8.7	7.8	6.7	5.5	5.0
2	935H1W2K	0.534 \pm 0.062	(13.6) \pm (1.6)	0.938	(23.8)	1.828	(46.4)	12	16	12.0	11.0	10.0	8.9	7.8	6.3	5.8
3	935H1W3K	0.624 \pm 0.093	(15.8) \pm (2.4)	0.938	(23.8)	1.828	(46.4)	11	16	13.3	12.3	11.2	10.0	8.7	7.1	6.5
5	935H1W5K	0.640 \pm 0.093	(16.3) \pm (2.4)	1.250	(31.7)	2.098	(53.3)	10	10	14.8	13.7	12.5	11.2	9.7	7.9	7.2
10	935H1W10K	0.803 \pm 0.093	(20.4) \pm (2.4)	1.500	(38.1)	2.252	(57.2)	9	8	17.8	16.5	15.0	13.5	11.7	9.5	8.7
20	935H1W20K	0.875 \pm 0.125	(22.2) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	8	5	21.6	20.0	18.3	16.4	14.2	11.6	10.6
30	935H1W30K	1.075 \pm 0.125	(27.3) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	6	5	24.3	22.5	20.5	18.4	15.9	13.0	11.9
With Lug Leads		200 Vdc (140 Vac)														
1	935H2W1K	0.450 \pm 0.062	(11.4) \pm (1.6)	1.250	(31.7)	2.098	(53.3)	20	15	7.3	7.3	7.3	7.3	7.3	6.4	5.8
2	935H2W2K	0.605 \pm 0.093	(15.4) \pm (2.4)	1.250	(31.7)	2.098	(53.3)	15	15	14.3	13.3	12.1	10.8	9.4	7.7	7.0
3	935H2W3K	0.654 \pm 0.093	(16.6) \pm (2.4)	1.500	(38.1)	2.252	(57.2)	13	12	15.9	14.7	13.5	12.0	10.4	8.5	7.8
5	935H2W5K	0.768 \pm 0.093	(19.5) \pm (2.4)	1.750	(44.4)	2.570	(65.3)	11	9	18.3	17.0	15.5	13.9	12.0	9.8	8.9
10	935H2W10K	0.905 \pm 0.125	(23.0) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	9	7	22.4	20.7	18.9	16.9	14.6	12.0	10.9
20	935H2W20K	1.315 \pm 0.125	(33.4) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	6	7	27.4	25.4	23.2	20.7	17.9	14.7	13.4
With Lug Leads		400 Vdc (275 Vac)														
1	935H4W1K	0.620 \pm 0.093	(15.7) \pm (2.4)	1.500	(38.1)	2.252	(57.2)	19	19	9.5	9.5	9.5	9.5	9.5	8.3	7.5
2	935H4W2K	0.802 \pm 0.093	(20.4) \pm (2.4)	1.750	(44.4)	2.570	(65.3)	15	16	15.0	15.0	15.0	14.2	12.3	10.0	9.1
3	935H4W3K	0.961 \pm 0.125	(24.4) \pm (3.2)	1.750	(44.4)	2.570	(65.3)	12	16	21.1	19.5	17.8	15.9	13.8	11.3	10.3
5	935H4W5K	1.067 \pm 0.125	(27.1) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	10	11	24.4	22.6	20.6	18.5	16.0	13.1	11.9
10	935H4W10K	1.543 \pm 0.125	(39.2) \pm (3.2)	2.250	(57.1)	3.054	(77.6)	6	11	30.0	27.8	25.4	22.7	19.7	16.1	14.7