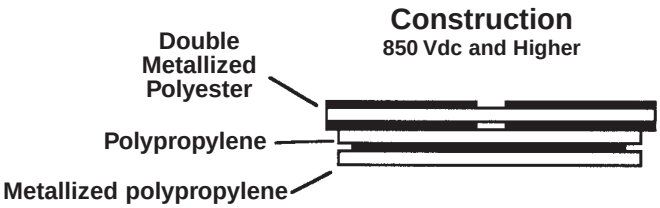
Double Metallized
Axial Leads

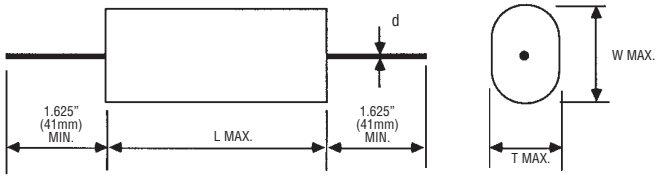
Type 941C flat, oval film capacitors use polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dV/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities. For round configuration see Type 940C, pages 5.007 & 5.008.

Specifications

Voltage Range: 600-3000 Vdc
Capacitance Range: 0.01-4.7 µF
Capacitance Tolerance: ±10%
Operating Temperature Range: -55°C to 105°C*

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





NOTE: Request for non-listed capacitance values, size modifications and application specific requirements are welcomed by our engineering staff.

Ratings and Dimensions

Cap. µF	Catalog Number	T Inches (mm)	W Inches (mm)	L Inches (mm)	d Inches (mm)	Typical ESR milliohms	Typical ESL nH	dV/dt V/µs	I peak A	IRMS A
600 Vdc (275 Vac)										
.10	941C6P1K	.223 (5.7)	.470 (11.9)	1.339 (34.0)	.032 (.8)	28	17	196	20	2.8
.15	941C6P15K	.266 (6.8)	.513 (13.0)	1.339 (34.0)	.040 (1.0)	13	18	196	29	4.4
.22	941C6P22K	.318 (8.1)	.565 (14.3)	1.339 (34.0)	.040 (1.0)	12	19	196	43	4.9
.33	941C6P33K	.387 (9.8)	.634 (16.1)	1.339 (34.0)	.040 (1.0)	9	19	196	65	6.1
.47	941C6P47K	.462 (11.7)	.709 (18.0)	1.339 (34.0)	.040 (1.0)	7	20	196	92	7.6
.68	941C6P68K	.558 (14.2)	.805 (20.4)	1.339 (34.0)	.040 (1.0)	6	21	196	134	8.9
1.00	941C6W1K	.680 (17.3)	.927 (23.5)	1.339 (34.0)	.040 (1.0)	6	23	196	196	9.9
1.50	941C6W1P5K	.837 (21.3)	1.084 (27.5)	1.339 (34.0)	.047 (1.2)	5	24	196	295	12.1
2.00	941C6W2K	.717 (18.2)	1.088 (27.6)	1.811 (46.0)	.047 (1.2)	5	28	128	255	13.1
3.30	941C6W3P3K	.886 (22.5)	1.253 (31.8)	2.126 (54.0)	.047 (1.2)	4	34	105	346	17.3
4.70	941C6W4P7K	1.125 (28.6)	1.311 (33.3)	2.126 (54.0)	.047 (1.2)	4	36	105	492	18.7
850 Vdc (450 Vac)										
.15	941C8P15K	.378 (9.6)	.625 (15.9)	1.339 (34.0)	.040 (1.0)	8	19	713	107	6.4
.22	941C8P22K	.458 (11.6)	.705 (17.9)	1.339 (34.0)	.040 (1.0)	8	20	713	157	7.0
.33	941C8P33K	.562 (14.3)	.810 (20.6)	1.339 (34.0)	.040 (1.0)	7	21	713	235	8.3
.47	941C8P47K	.674 (17.1)	.922 (23.4)	1.339 (34.0)	.040 (1.0)	5	22	713	335	10.8
.68	941C8P68K	.815 (20.7)	1.063 (27.0)	1.339 (34.0)	.047 (1.2)	4	24	713	485	13.3
1.00	941C8W1K	.679 (17.2)	1.050 (26.7)	1.811 (46.0)	.047 (1.2)	5	28	400	400	12.7
1.50	941C8W1P5K	.847 (21.5)	1.218 (30.9)	1.811 (46.0)	.047 (1.2)	4	30	400	600	15.8
2.00	941C8W2K	.990 (25.1)	1.361 (34.6)	1.811 (46.0)	.047 (1.2)	3	31	400	800	19.8
2.20	941C8W2P2K	1.042 (26.5)	1.413 (35.9)	1.811 (46.0)	.047 (1.2)	3	32	400	880	20.4
2.50	941C8W2P5K	1.117 (28.4)	1.488 (37.8)	1.811 (46.0)	.047 (1.2)	3	33	400	1000	21.2

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Type 941C, High dV/dt, Oval Polypropylene Pulse & High-Frequency Applications Capacitors

Ratings and Dimensions

Cap. µF	Catalog Number	T Inches (mm)	W Inches (mm)	L Inches (mm)	d Inches (mm)	Typical ESR milliohms	Typical ESL nH	dV/dt V/µs	I peak A	IRMS A
1000 Vdc (500 Vac)										
.150	941C10P15K	.441 (11.2)	.688 (17.5)	1.339 (34.0)	.040 (1.0)	7	20	856	128	7.4
.220	941C10P22K	.535 (13.6)	.782 (19.9)	1.339 (34.0)	.040 (1.0)	7	21	856	188	8.1
.330	941C10P33K	.658 (16.7)	.906 (23.0)	1.339 (34.0)	.040 (1.0)	6	22	856	283	9.7
.470	941C10P47K	.790 (20.1)	1.037 (26.3)	1.339 (34.0)	.047 (1.2)	5	24	856	402	11.7
.680	941C10P68K	.955 (24.2)	1.203 (30.5)	1.339 (34.0)	.047 (1.2)	5	26	856	582	13.0
1.000	941C10W1K	.803 (20.4)	1.174 (29.8)	1.811 (46.0)	.047 (1.2)	5	24	480	480	13.8
1.500	941C10W1P5K	1.001 (25.4)	1.372 (34.8)	1.811 (46.0)	.047 (1.2)	4	31	480	720	17.3
2.000	941C10W2K	1.169 (29.7)	1.540 (39.1)	1.811 (46.0)	.047 (1.2)	3	33	480	960	21.7
1200 Vdc (500 Vac)										
.100	941C12P1K	.462 (11.7)	.709 (18.0)	1.339 (34.0)	.040 (1.0)	9	20	1142	114	6.7
.150	941C12P15K	.568 (14.4)	.815 (20.7)	1.339 (34.0)	.040 (1.0)	7	21	1142	171	8.3
.220	941C12P22K	.691 (17.5)	.938 (23.8)	1.339 (34.0)	.040 (1.0)	7	23	1142	251	9.2
.330	941C12P33K	.575 (14.6)	.946 (24.0)	1.811 (46.0)	.040 (1.0)	7	21	640	211	10.0
.470	941C12P47K	.698 (17.7)	1.069 (27.1)	1.811 (46.0)	.047 (1.2)	7	28	640	301	10.9
.680	941C12P68K	.854 (21.7)	1.225 (31.1)	1.811 (46.0)	.047 (1.2)	6	30	640	435	13.0
1.000	941C12W1K	1.053 (26.7)	1.423 (36.1)	1.811 (46.0)	.047 (1.2)	5	32	640	640	15.9
1.500	941C12W1P5K	1.088 (27.6)	1.582 (40.2)	2.126 (54.0)	.047 (1.2)	4	36	502	754	19.7
1600 Vdc (630 Vac)										
.100	941C16P1K	.565 (14.3)	.813 (20.6)	1.339 (34.0)	.040 (1.0)	7	21	1427	143	8.3
.150	941C16P15K	.696 (17.7)	.943 (23.9)	1.339 (34.0)	.040 (1.0)	5	23	1427	214	11.0
.220	941C16P22K	.848 (21.5)	1.095 (27.8)	1.339 (34.0)	.047 (1.2)	7	24	1427	314	10.3
.330	941C16P33K	.715 (18.2)	1.086 (27.6)	1.811 (46.0)	.047 (1.2)	7	23	800	264	11.0
.470	941C16P47K	.867 (22.0)	1.238 (31.4)	1.811 (46.0)	.047 (1.2)	6	30	800	376	13.1
.680	941C16P68K	1.059 (26.9)	1.430 (36.3)	1.811 (46.0)	.047 (1.2)	6	32	800	544	14.5
1.000	941C16W1K	1.303 (33.1)	1.674 (42.5)	1.811 (46.0)	.047 (1.2)	5	35	800	800	17.9
1.500	941C16W1P5K	1.358 (34.5)	1.852 (47.0)	2.126 (54.0)	.047 (1.2)	4	39	628	942	22.2
2000 Vdc (630 Vac)										
.022	941C20S22K	.313 (7.9)	.561 (14.2)	1.339 (34.0)	.040 (1.0)	35	18	1712	38	2.8
.033	941C20S33K	.382 (9.7)	.629 (16.0)	1.339 (34.0)	.040 (1.0)	20	19	1712	57	4.1
.047	941C20S47K	.456 (11.6)	.703 (17.8)	1.339 (34.0)	.040 (1.0)	12	20	1712	80	5.7
.068	941C20S68K	.550 (14.0)	.797 (20.2)	1.339 (34.0)	.040 (1.0)	8	21	1712	116	7.7
.100	941C20P1K	.670 (17.0)	.917 (23.3)	1.339 (34.0)	.040 (1.0)	7	22	1712	171	9.1
.150	941C20P15K	.557 (14.1)	.928 (23.6)	1.811 (46.0)	.040 (1.0)	7	21	960	144	9.8
.220	941C20P22K	.686 (17.4)	1.057 (26.8)	1.811 (46.0)	.040 (1.0)	8	28	960	211	10.1
.330	941C20P33K	.856 (21.7)	1.227 (31.2)	1.811 (46.0)	.047 (1.2)	8	30	960	317	11.3
.470	941C20P47K	1.037 (26.3)	1.408 (35.8)	1.811 (46.0)	.047 (1.2)	6	32	960	451	14.4
.560	941C20P56K	.941 (23.9)	1.436 (36.5)	2.126 (54.0)	.047 (1.2)	7	31	754	422	13.9
.680	941C20P68K	1.050 (26.7)	1.545 (39.2)	2.126 (54.0)	.047 (1.2)	6	35	754	513	15.8
1.000	941C20W1K	1.303 (33.1)	1.797 (45.6)	2.126 (54.0)	.047 (1.2)	5	38	754	754	19.4
3000 Vdc (750 Vac)										
.010	941C30S1K	.308 (7.8)	.555 (14.1)	1.339 (34.0)	.040 (1.0)	60	18	2568	26	2.2
.015	941C30S15K	.375 (9.5)	.622 (15.8)	1.339 (34.0)	.040 (1.0)	40	19	2568	39	2.9
.022	941C30S22K	.454 (11.5)	.701 (17.8)	1.339 (34.0)	.040 (1.0)	25	20	2568	57	4.0
.033	941C30S33K	.558 (14.2)	.805 (20.4)	1.339 (34.0)	.040 (1.0)	14	21	2568	85	5.8
.047	941C30S47K	.446 (11.3)	.817 (20.7)	1.811 (46.0)	.040 (1.0)	14	20	1440	68	6.3
.068	941C30S68K	.545 (13.8)	.916 (23.3)	1.811 (46.0)	.040 (1.0)	12	26	1440	98	7.4
.100	941C30P1K	.673 (17.1)	1.044 (26.5)	1.811 (46.0)	.047 (1.2)	10	28	1440	144	9.0
.150	941C30P15K	.839 (21.3)	1.210 (30.7)	1.811 (46.0)	.047 (1.2)	8	30	1440	216	11.2

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