

Type 941C High dV/dt, Oval Polypropylene Film Capacitors



用途:

Application

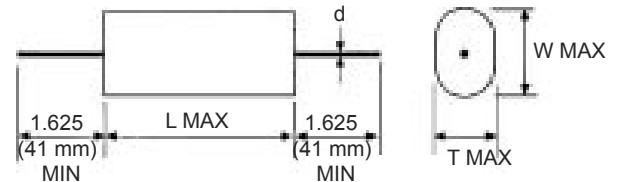
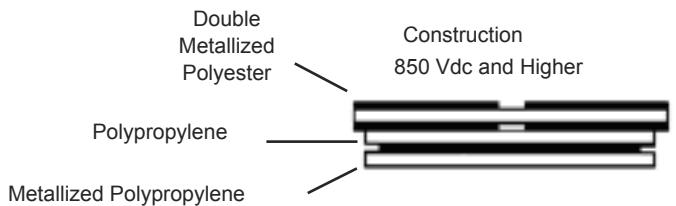
941 扁平型箔膜电容器 采用聚丙烯和双面金属。
Type 941C flat, oval film capacitors use polypropylene

film and dual metallized electrodes for both self healing 具有自愈性, 耐高尖峰电流及高电压的上升速率 ; properties and high peak current carrying capability

(dV/dt). This series features low ESR characteristics, 具有低等效串联电阻的特性, 可以耐非常高的频率和电压。 excellent high frequency and high voltage capabilities.

结构

Construction



特点:

Highlights

低等效串联电阻及等效串联电感

- Low ESR and ESL
适合用在高频率的产品
- Great for high frequency applications
可承受高电压
- High voltage rating
可承受高的电压上升速率
- High dV/dt

种类

Ratings

有环境保护管理

RoHS Compliant

电容量 Cap. (μ F)	目录型号 Catalog Part Number	宽度 T Inches (mm)	高度 W Inches (mm)	长度 L Inches (mm)	线径 d Inches (mm)	代表性 等效串 联电阻 Typical ESR (m Ω)	代表性 等效串 联电感 Typical ESL (nH)	电压 上升 速率 dV/dt (V/ μ s)	峰值 电流 I peak (A)	反向电 流峰值 I _{RMS} 70 °C 100 kHz (A)
600 Vdc (275 Vac)										
.10	941C6P1K-F	.223 (5.7)	.470 (11.9)	1.339 (34.0)	.032 (.8)	28	17	196	20	2.8
.15	941C6P15K-F	.266 (6.8)	.513 (13.0)	1.339 (34.0)	.032 (.8)	13	18	196	29	4.4
.22	941C6P22K-F	.318 (8.1)	.565 (14.3)	1.339 (34.0)	.032 (.8)	12	19	196	43	4.9
.33	941C6P33K-F	.387 (9.8)	.634 (16.1)	1.339 (34.0)	.032 (.8)	9	19	196	65	6.1
.47	941C6P47K-F	.462 (11.7)	.709 (18.0)	1.339 (34.0)	.040 (1.0)	7	20	196	92	7.6
.68	941C6P68K-F	.558 (14.2)	.805 (20.4)	1.339 (34.0)	.040 (1.0)	6	21	196	134	8.9
1.0	941C6W1K-F	.680 (17.3)	.927 (23.5)	1.339 (34.0)	.040 (1.0)	6	23	196	196	9.9
1.5	941C6W1P5K-F	.837 (21.3)	1.084 (27.5)	1.339 (34.0)	.047 (1.2)	5	24	196	295	12.1
2.0	941C6W2K-F	.717 (18.2)	1.088 (27.6)	1.811 (46.0)	.047 (1.2)	5	28	128	255	13.1
3.3	941C6W3P3K-F	.886 (22.5)	1.253 (31.8)	2.126 (54.0)	.047 (1.2)	4	34	105	346	17.3
4.7	941C6W4P7K-F	1.125 (28.6)	1.311 (33.3)	2.126 (54.0)	.047 (1.2)	4	36	105	492	18.7

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电容量 Cap. (μ F)	目录型号 Catalog Part Number	宽度 T Inches (mm)	高度 W Inches (mm)	长度 L Inches (mm)	线径 d Inches (mm)	代表性 等效串 联电阻 Typical ESR (m Ω)	代表性 等效串 联电感 Typical ESL (nH)	电压 上升 速率 dV/dt (V/ μ s)	峰值 电流 I peak (A)	反向电 流峰值 I _{RMS} 70 °C 100 kHz (A)
850 Vdc (450 Vac)										
.15	941C8P15K-F	.378 (9.6)	.625 (15.9)	1.339 (34.0)	.032 (.8)	8	19	713	107	6.4
.22	941C8P22K-F	.458 (11.6)	.705 (17.9)	1.339 (34.0)	.040 (1.0)	8	20	713	157	7.0
.33	941C8P33K-F	.562 (14.3)	.810 (20.6)	1.339 (34.0)	.040 (1.0)	7	21	713	235	8.3
.47	941C8P47K-F	.674 (17.1)	.922 (23.4)	1.339 (34.0)	.040 (1.0)	5	22	713	335	10.8
.68	941C8P68K-F	.815 (20.7)	1.063 (27.0)	1.339 (34.0)	.047 (1.2)	4	24	713	485	13.3
1.0	941C8W1K-F	.679 (17.2)	1.050 (26.7)	1.811 (46.0)	.047 (1.2)	5	28	400	400	12.7
1.5	941C8W1P5K-F	.847 (21.5)	1.218 (30.9)	1.811 (46.0)	.047 (1.2)	4	30	400	600	15.8
2.0	941C8W2K-F	.990 (25.1)	1.361 (34.6)	1.811 (46.0)	.047 (1.2)	3	31	400	800	19.8
2.2	941C8W2P2K-F	1.042 (26.5)	1.413 (35.9)	1.811 (46.0)	.047 (1.2)	3	32	400	880	20.4
2.5	941C8W2P5K-F	1.117 (28.4)	1.488 (37.8)	1.811 (46.0)	.047 (1.2)	3	33	400	1000	21.2
1000 Vdc (500 Vac)										
.15	941C10P15K-F	.441 (11.2)	.688 (17.5)	1.339 (34.0)	.040 (1.0)	7	20	856	128	7.4
.22	941C10P22K-F	.535 (13.6)	.782 (19.9)	1.339 (34.0)	.040 (1.0)	7	21	856	188	8.1
.33	941C10P33K-F	.658 (16.7)	.906 (23.0)	1.339 (34.0)	.040 (1.0)	6	22	856	283	9.7
.47	941C10P47K-F	.790 (20.1)	1.037 (26.3)	1.339 (34.0)	.047 (1.2)	5	24	856	402	11.7
.68	941C10P68K-F	.955 (24.2)	1.203 (30.5)	1.339 (34.0)	.047 (1.2)	5	26	856	582	13.0
1.0	941C10W1K-F	.803 (20.4)	1.174 (29.8)	1.811 (46.0)	.047 (1.2)	5	24	480	480	13.8
1.5	941C10W1P5K-F	1.001 (25.4)	1.372 (34.8)	1.811 (46.0)	.047 (1.2)	4	31	480	720	17.3
2.0	941C10W2K-F	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)										
.10	941C12P1K-F	.462 (11.7)	.709 (18.0)	1.339 (34.0)	.040 (1.0)	9	20	1142	114	6.7
.15	941C12P15K-F	.568 (14.4)	.815 (20.7)	1.339 (34.0)	.040 (1.0)	7	21	1142	171	8.3
.22	941C12P22K-F	.691 (17.5)	.938 (23.8)	1.339 (34.0)	.040 (1.0)	7	23	1142	251	9.2
.33	941C12P33K-F	.575 (14.6)	.946 (24.0)	1.811 (46.0)	.040 (1.0)	7	21	640	211	10.0
.47	941C12P47K-F	.698 (17.7)	1.069 (27.1)	1.811 (46.0)	.047 (1.2)	7	28	640	301	10.9
.68	941C12P68K-F	.854 (21.7)	1.225 (31.1)	1.811 (46.0)	.047 (1.2)	6	30	640	435	13.0
1.0	941C12W1K-F	1.053 (26.7)	1.423 (36.1)	1.811 (46.0)	.047 (1.2)	5	32	640	640	15.9
1.5	941C12W1P5K-F	1.088 (27.6)	1.582 (40.2)	2.126 (54.0)	.047 (1.2)	4	36	502	754	19.7

种类

Ratings

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RoHS Compliant

电容量 Cap. (μF)	目录型号 Catalog Part Number	宽度 T Inches (mm)	高度 W Inches (mm)	长度 L Inches (mm)	线径 d Inches (mm)	代表性 等效串 联电阻 Typical ESR ($\text{m}\Omega$)	代表性 等效串 联电感 Typical ESL (nH)	电压 上升 速率 dV/dt ($\text{V}/\mu\text{s}$)	峰值 电流 I peak (A)	反向电 流峰值 I _{RMS} 70 °C 100 kHz (A)
1600 Vdc (630 Vac)										
.10	941C16P1K-F	.565 (14.3)	.813 (20.6)	1.339 (34.0)	.040 (1.0)	7	21	1427	143	8.3
.15	941C16P15K-F	.696 (17.7)	.943 (23.9)	1.339 (34.0)	.040 (1.0)	5	23	1427	214	11.0
.22	941C16P22K-F	.848 (21.5)	1.095 (27.8)	1.339 (34.0)	.047 (1.2)	7	24	1427	314	10.3
.33	941C16P33K-F	.715 (18.2)	1.086 (27.6)	1.811 (46.0)	.047 (1.2)	7	23	800	264	11.0
.47	941C16P47K-F	.867 (22.0)	1.238 (31.4)	1.811 (46.0)	.047 (1.2)	6	30	800	376	13.1
.68	941C16P68K-F	1.059 (26.9)	1.430 (36.3)	1.811 (46.0)	.047 (1.2)	6	32	800	544	14.5
1.0	941C16W1K-F	1.303 (33.1)	1.674 (42.5)	1.811 (46.0)	.047 (1.2)	5	35	800	800	17.9
1.5	941C16W1P5K-F	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-F	.313 (7.9)	.561 (14.2)	1.339 (34.0)	.032 (.8)	35	18	1712	38	2.8
.033	941C20S33K-F	.382 (9.7)	.629 (16.0)	1.339 (34.0)	.032 (.8)	20	19	1712	57	4.1
.047	941C20S47K-F	.456 (11.6)	.703 (17.8)	1.339 (34.0)	.040 (1.0)	12	20	1712	80	5.7
.068	941C20S68K-F	.550 (14.0)	.797 (20.2)	1.339 (34.0)	.040 (1.0)	8	21	1712	116	7.7
.10	941C20P1K-F	.670 (17.0)	.917 (23.3)	1.339 (34.0)	.040 (1.0)	7	22	1712	171	9.1
.15	941C20P15K-F	.557 (14.1)	.928 (23.6)	1.811 (46.0)	.040 (1.0)	7	21	960	144	9.8
.22	941C20P22K-F	.686 (17.4)	1.057 (26.8)	1.811 (46.0)	.040 (1.0)	8	28	960	211	10.1
.33	941C20P33K-F	.856 (21.7)	1.227 (31.2)	1.811 (46.0)	.047 (1.2)	8	30	960	317	11.3
.47	941C20P47K-F	1.037 (26.3)	1.408 (35.8)	1.811 (46.0)	.047 (1.2)	6	32	960	451	14.4
.56	941C20P56K-F	.941 (23.9)	1.436 (36.5)	2.126 (54.0)	.047 (1.2)	7	31	754	422	13.9
.68	941C20P68K-F	1.050 (26.7)	1.545 (39.2)	2.126 (54.0)	.047 (1.2)	6	35	754	513	15.8
1.0	941C20W1K-F	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-F	.308 (7.8)	.555 (14.1)	1.339 (34.0)	.032 (.8)	60	18	2568	26	2.2
.015	941C30S15K-F	.375 (9.5)	.622 (15.8)	1.339 (34.0)	.032 (.8)	40	19	2568	39	2.9
.022	941C30S22K-F	.454 (11.5)	.701 (17.8)	1.339 (34.0)	.040 (1.0)	25	20	2568	57	4.0
.033	941C30S33K-F	.558 (14.2)	.805 (20.4)	1.339 (34.0)	.040 (1.0)	14	21	2568	85	5.8
.047	941C30S47K-F	.446 (11.3)	.817 (20.7)	1.811 (46.0)	.040 (1.0)	14	20	1440	68	6.3
.068	941C30S68K-F	.545 (13.8)	.916 (23.3)	1.811 (46.0)	.040 (1.0)	12	26	1440	98	7.4
.10	941C30P1K-F	.673 (17.1)	1.044 (26.5)	1.811 (46.0)	.047 (1.2)	10	28	1440	144	9.0
.15	941C30P15K-F	.839 (21.3)	1.210 (30.7)	1.811 (46.0)	.047 (1.2)	8	30	1440	216	11.2