

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES



PHYSICAL CHARACTERISTICS

CONSTRUCTION:

Dielectric: metallized polyethylene terephthalate. Self healing, low inductance.

CASE:

Thermoplastic case. Epoxy resin molded.

LEAD MATERIAL:

DPM 948 - Surface mount device.

MARKING:

Dearborn trademark, type or catalog number, capacitance, tolerance and voltage.

ELECTRICAL SPECIFICATIONS

OPERATING TEMPERATURE RANGE:

-55°C to +105°C

DISSIPATION FACTOR:

$\leq 0.8\%$ @ 1kHz $C_R \leq 1 \mu\text{F}$

$\leq 1.0\%$ @ 1kHz $C_R > 1 \mu\text{F}$

INSULATION RESISTANCE:

$\geq 3,750 \text{ M}\Omega$ for $C_R \leq 0.33$ and $\leq 100 \text{ V}$

$\geq 7,500 \text{ M}\Omega$ for $C_R \leq 0.33$ and $\leq 100 \text{ V}$

DIELECTRIC WITHSTANDING VOLTAGE (DWV):

1.6 x rated voltage

PERMISSIBLE CURRENT:

@ 300kHz up to 105°C = I_{rms}

@ 300kHz to 125°C = $0.1 I_{\text{rms}}$

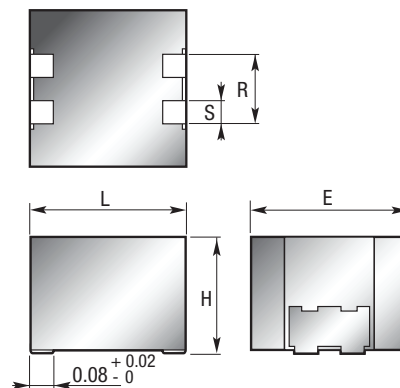
AVAILABLE CAPACITANCE TOLERANCES:

$\pm 20\%$ & $\pm 10\%$

VOLTAGE GRADIENTS (dV / dT in V / s)

Model	63 V	100 V	160 V	250 V	400 V	500 V	630 V
DPM 948-1	70	80	130	150	230	370	440
DPM 948-2	40	40	60	70	100	130	170
DPM 948-3	30	40	50	70	100	130	160
DPM 948-4	30	30	50	60	90	120	140

DIMENSIONS (in inches)



CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

TYPE DPM 948

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-1						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
µF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.022	223	0.421	0.421	0.236	0.197	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.027	273	0.421	0.421	0.236	0.197	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.033	333	0.421	0.421	0.236	0.197	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.3
0.039	393	0.421	0.421	0.236	0.197	0.06	0.3	0.3	0.3	0.3	0.3	0.3	0.4
0.047	473	0.421	0.421	0.236	0.197	0.06	0.4	0.4	0.4	0.4	0.4	0.4	-
0.056	563	0.421	0.421	0.236	0.197	0.06	0.4	0.4	0.4	0.4	0.4	0.4	-
0.068	683	0.421	0.421	0.236	0.197	0.06	0.4	0.4	0.4	0.4	0.4	0.5	-
0.082	823	0.421	0.421	0.236	0.197	0.06	0.5	0.5	0.5	0.5	0.5	-	-
0.1	104	0.421	0.421	0.236	0.197	0.06	0.6	0.6	0.6	0.6	0.6	-	-
0.12	124	0.421	0.421	0.236	0.197	0.06	0.7	0.7	0.7	0.7	0.7	-	-
0.15	154	0.421	0.421	0.236	0.197	0.06	0.9	0.9	0.9	0.9	0.9	-	-
0.18	184	0.421	0.421	0.236	0.197	0.06	0.3	0.3	0.3	0.3	-	-	-
0.22	224	0.421	0.421	0.236	0.197	0.06	0.4	0.4	0.4	0.4	-	-	-
0.27	274	0.421	0.421	0.236	0.197	0.06	0.5	0.5	0.5	0.5	-	-	-
0.33	334	0.421	0.421	0.236	0.197	0.06	0.5	0.5	0.5	0.6	-	-	-
0.39	394	0.421	0.421	0.236	0.197	0.06	0.6	0.6	0.6	-	-	-	-
0.47	474	0.421	0.421	0.236	0.197	0.06	0.7	0.7	0.7	-	-	-	-
0.56	564	0.421	0.421	0.236	0.197	0.06	0.7	0.7	0.8	-	-	-	-
0.68	684	0.421	0.421	0.236	0.197	0.06	0.8	0.8	-	-	-	-	-
0.82	824	0.421	0.421	0.236	0.197	0.06	0.9	0.9	-	-	-	-	-
1	105	0.421	0.421	0.236	0.197	0.06	1.1	1.2	-	-	-	-	-
1.2	125	0.421	0.421	0.236	0.197	0.06	1.3	-	-	-	-	-	-
1.5	155	0.421	0.421	0.236	0.197	0.06	1.7	-	-	-	-	-	-
1.8	185	0.421	0.421	0.236	0.197	0.06	2.1	-	-	-	-	-	-
0.047	473	0.421	0.421	0.315	0.197	0.06	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.056	563	0.421	0.421	0.315	0.197	0.06	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.082	823	0.421	0.421	0.315	0.197	0.06	0.7	0.7	0.7	0.7	0.7	0.7	-
0.1	104	0.421	0.421	0.315	0.197	0.06	0.8	0.8	0.8	0.8	0.8	0.8	-
0.18	184	0.421	0.421	0.315	0.197	0.06	1	1	1	1	1	-	-
0.22	224	0.421	0.421	0.315	0.197	0.06	1.3	1.3	1.3	1.3	1.3	-	-
0.39	394	0.421	0.421	0.315	0.197	0.06	0.8	0.8	0.8	0.8	-	-	-
0.47	474	0.421	0.421	0.315	0.197	0.06	1	1	1	1	-	-	-
0.68	684	0.421	0.421	0.315	0.197	0.06	1	1	1	-	-	-	-
0.82	824	0.421	0.421	0.315	0.197	0.06	1.1	1.1	1.1	-	-	-	-
1.2	125	0.421	0.421	0.394	0.197	0.06	1.4	1.4	-	-	-	-	-
1.5	155	0.421	0.421	0.394	0.197	0.06	1.8	1.8	-	-	-	-	-
1.8	185	0.421	0.421	0.394	0.197	0.06	2.1	2.1	-	-	-	-	-
2.2	225	0.421	0.421	0.394	0.197	0.06	2.5	-	-	-	-	-	-
2.7	275	0.421	0.421	0.394	0.197	0.06	3.1	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-1						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
μF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.068	683	0.421	0.421	0.394	0.197	0.06	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.082	823	0.421	0.421	0.394	0.197	0.06	1	1	1	1	1	1	1
0.1	104	0.421	0.421	0.394	0.197	0.06	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.12	124	0.421	0.421	0.394	0.197	0.06	1	1	1	1	1	1	-
0.15	154	0.421	0.421	0.394	0.197	0.06	1.2	1.2	1.2	1.2	1.2	1.2	-
0.27	274	0.421	0.421	0.394	0.197	0.06	1.6	1.6	1.6	1.6	1.6	-	-
0.56	564	0.421	0.421	0.394	0.197	0.06	1.1	1.1	1.1	1.1	-	-	-
0.68	684	0.421	0.421	0.394	0.197	0.06	1.4	1.4	1.4	1.4	-	-	-
1	105	0.421	0.421	0.394	0.197	0.06	1.4	1.4	1.4	-	-	-	-
1.2	125	0.421	0.421	0.394	0.197	0.06	1.8	1.8	1.8	-	-	-	-
2.2	225	0.421	0.421	0.394	0.197	0.06	2.6	2.6	-	-	-	-	-
2.7	275	0.421	0.421	0.394	0.197	0.06	3.2	3.2	-	-	-	-	-
3.3	335	0.421	0.421	0.394	0.197	0.06	3.8	-	-	-	-	-	-
3.9	395	0.421	0.421	0.394	0.197	0.06	4.69	-	-	-	-	-	-
0.12	124	0.421	0.421	0.475	0.197	0.06	1.3	1.3	1.3	1.3	1.3	1.3	1.3
0.18	184	0.421	0.421	0.475	0.197	0.06	1.4	1.4	1.4	1.4	1.4	1.4	-
0.33	334	0.421	0.421	0.475	0.197	0.06	2	2	2	2	2	-	-
0.39	394	0.421	0.421	0.475	0.197	0.06	2.3	2.3	2.3	2.3	2.3	-	-
0.82	824	0.421	0.421	0.475	0.197	0.06	1.7	1.7	1.7	1.7	-	-	-
1	105	0.421	0.421	0.475	0.197	0.06	2.1	2.1	2.1	2.1	-	-	-
1.5	155	0.421	0.421	0.475	0.197	0.06	2.1	2.1	2.1	-	-	-	-
1.8	185	0.421	0.421	0.475	0.197	0.06	2.6	2.6	2.6	-	-	-	-
3.3	335	0.421	0.421	0.475	0.197	0.06	3.9	3.9	-	-	-	-	-
4.7	475	0.421	0.421	0.475	0.197	0.06	6	-	-	-	-	-	-
5.6	565	0.421	0.421	0.475	0.197	0.06	7.1	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

TYPE DPM 948

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-2						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
µF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.068	683	0.61	0.453	0.236	0.197	0.06	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.082	823	0.61	0.453	0.236	0.197	0.06	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.1	104	0.61	0.453	0.236	0.197	0.06	0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.12	124	0.61	0.453	0.236	0.197	0.06	0.4	0.4	0.4	0.4	0.4	0.4	0.5
0.15	154	0.61	0.453	0.236	0.197	0.06	0.5	0.5	0.5	0.5	0.5	0.5	-
0.18	184	0.61	0.453	0.236	0.197	0.06	0.5	0.5	0.5	0.5	0.5	0.7	-
0.22	224	0.61	0.453	0.236	0.197	0.06	0.6	0.6	0.6	0.6	0.6	0.8	-
0.27	274	0.61	0.453	0.236	0.197	0.06	0.8	0.8	0.8	0.8	0.8	-	-
0.33	334	0.61	0.453	0.236	0.197	0.06	1	1	1	1	1	-	-
0.47	474	0.61	0.453	0.236	0.197	0.06	0.8	0.8	0.8	0.8	-	-	-
0.56	564	0.61	0.453	0.236	0.197	0.06	0.9	0.9	0.9	0.9	-	-	-
0.68	684	0.61	0.453	0.236	0.197	0.06	1.1	1.1	1.1	1.1	-	-	-
0.82	824	0.61	0.453	0.236	0.197	0.06	0.6	0.6	0.6	1.3	-	-	-
1	105	0.61	0.453	0.236	0.197	0.06	0.7	0.7	0.7	-	-	-	-
1.2	125	0.61	0.453	0.236	0.197	0.06	0.9	0.9	0.9	-	-	-	-
1.5	155	0.61	0.453	0.236	0.197	0.06	0.9	0.9	1.1	-	-	-	-
1.8	185	0.61	0.453	0.236	0.197	0.06	1.1	1.1	-	-	-	-	-
2.2	225	0.61	0.453	0.236	0.197	0.06	1.3	1.3	-	-	-	-	-
2.7	275	0.61	0.453	0.236	0.197	0.06	1.5	1.7	-	-	-	-	-
3.3	335	0.61	0.453	0.236	0.197	0.06	1.9	-	-	-	-	-	-
3.9	395	0.61	0.453	0.236	0.197	0.06	2.3	-	-	-	-	-	-
0.15	154	0.61	0.453	0.315	0.197	0.06	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.18	184	0.61	0.453	0.315	0.197	0.06	1	1	1	1	1	1	1
0.27	274	0.61	0.453	0.315	0.197	0.06	1	1	1	1	1	1	-
0.33	334	0.61	0.453	0.315	0.197	0.06	1.2	1.2	1.2	1.2	1.2	1.2	-
0.39	394	0.61	0.453	0.315	0.197	0.06	1.1	1.1	1.1	1.1	1.1	-	-
0.47	474	0.61	0.453	0.315	0.197	0.06	0.4	1.4	1.4	1.4	1.4	-	-
1	105	0.61	0.453	0.315	0.197	0.06	1.6	1.6	1.6	1.6	-	-	-
1.2	125	0.61	0.453	0.315	0.197	0.06	2	2	2	2	-	-	-
1.8	185	0.61	0.453	0.315	0.197	0.06	1.4	1.4	1.4	-	-	-	-
2.2	225	0.61	0.453	0.315	0.197	0.06	2.2	2.2	2.2	-	-	-	-
3.3	335	0.61	0.453	0.315	0.197	0.06	2	2	-	-	-	-	-
3.9	395	0.61	0.453	0.315	0.197	0.06	2.4	2.4	-	-	-	-	-
4.7	475	0.61	0.453	0.315	0.197	0.06	2.8	-	-	-	-	-	-
5.6	565	0.61	0.453	0.315	0.197	0.06	3.3	-	-	-	-	-	-
0.22	224	0.61	0.453	0.394	0.197	0.06	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.27	274	0.61	0.453	0.394	0.197	0.06	1.4	1.4	1.4	1.4	1.4	1.4	1.4
0.39	394	0.61	0.453	0.394	0.197	0.06	1.4	1.4	1.4	1.4	1.4	1.4	-
0.47	474	0.61	0.453	0.394	0.197	0.06	1.7	1.7	1.7	1.7	1.7	1.7	-
0.56	564	0.61	0.453	0.394	0.197	0.06	1.7	1.7	1.7	1.7	1.7	-	-
0.68	684	0.61	0.453	0.394	0.197	0.06	2	2	2	2	2	-	-
1.5	155	0.61	0.453	0.394	0.197	0.06	2.5	2.5	2.5	2.5	-	-	-
1.8	185	0.61	0.453	0.394	0.197	0.06	3	3	3	3	-	-	-
2.7	275	0.61	0.453	0.394	0.197	0.06	2.1	2.1	2.1	-	-	-	-
3.3	335	0.61	0.453	0.394	0.197	0.06	2.5	2.5	2.5	-	-	-	-
4.7	475	0.61	0.453	0.394	0.197	0.06	2.8	2.8	-	-	-	-	-
5.6	565	0.61	0.453	0.394	0.197	0.06	3.4	3.4	-	-	-	-	-
6.8	685	0.61	0.453	394	0.197	0.06	4	-	-	-	-	-	-
8.2	825	0.61	0.453	0.394	0.197	0.06	4.8	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

STANDARD RATINGS

							TYPE DPM 948-3						
Capacitance		Dimensions (in inches)					63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
µF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.12	124	0.65	0.61	0.236	0.276	0.08	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.15	154	0.65	0.61	0.236	0.276	0.08	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.18	184	0.65	0.61	0.236	0.276	0.08	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.22	224	0.65	0.61	0.236	0.276	0.08	0.7	0.7	0.7	0.7	0.7	0.7	-
0.27	274	0.65	0.61	0.236	0.276	0.08	0.9	0.9	0.9	0.9	0.9	0.9	-
0.33	334	0.65	0.61	0.236	0.276	0.08	0.9	0.9	0.9	0.9	0.9	-	-
0.39	394	0.65	0.61	0.236	0.276	0.08	1	1	1	1	1	-	-
0.47	474	0.65	0.61	0.236	0.276	0.08	1.3	1.3	1.3	1.3	1.3	-	-
0.82	824	0.65	0.61	0.236	0.276	0.08	0.7	0.7	0.7	0.7	-	-	-
1	105	0.65	0.61	0.236	0.276	0.08	0.9	0.9	0.9	0.9	-	-	-
1.2	125	0.65	0.61	0.236	0.276	0.08	1.1	1.1	1.1	1.1	-	-	-
1.5	155	0.65	0.61	0.236	0.276	0.08	1	1	1	-	-	-	-
1.8	185	0.65	0.61	0.236	0.276	0.08	1.3	1.3	1.3	-	-	-	-
2.2	225	0.65	0.61	0.236	0.276	0.08	1.6	1.6	1.6	-	-	-	-
2.7	275	0.65	0.61	0.236	0.276	0.08	1.5	1.5	-	-	-	-	-
3.3	335	0.65	0.61	0.236	0.276	0.08	1.8	1.9	-	-	-	-	-
3.9	395	0.65	0.61	0.236	0.276	0.08	2.1	2.2	-	-	-	-	-
4.7	475	0.65	0.61	0.236	0.276	0.08	2.6	-	-	-	-	-	-
5.6	565	0.65	0.61	0.236	0.276	0.08	3.1	-	-	-	-	-	-
0.22	224	0.65	0.61	0.315	0.276	0.08	0.9	0.9	0.9	0.9	0.9	0.9	0.9
0.27	274	0.65	0.61	0.315	0.276	0.08	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.33	334	0.65	0.61	0.315	0.276	0.08	1.1	1.1	1.1	1.1	1.1	1.1	1.3
0.39	394	0.65	0.61	0.315	0.276	0.08	1.3	1.3	1.3	1.3	1.3	1.3	-
0.47	474	0.65	0.61	0.315	0.276	0.08	1.6	1.6	1.6	1.6	1.6	1.6	-
0.56	564	0.65	0.61	0.315	0.276	0.08	1.5	1.5	1.5	1.5	1.5	-	-
0.68	684	0.65	0.61	0.315	0.276	0.08	1.8	1.8	1.8	1.8	1.8	-	-
0.82	824	0.65	0.61	0.315	0.276	0.08	2.2	2.2	2.2	2.2	2.2	-	-
1.5	155	0.65	0.61	0.315	0.276	0.08	1.4	1.4	1.4	1.4	-	-	-
1.8	185	0.65	0.61	0.315	0.276	0.08	1.7	1.7	1.7	1.7	-	-	-
2.2	225	0.65	0.61	0.315	0.276	0.08	2.1	2.1	2.1	2.1	-	-	-
2.7	275	0.65	0.61	0.315	0.276	0.08	1.9	1.9	1.9	-	-	-	-
3.3	335	0.65	0.61	0.315	0.276	0.08	2.4	2.4	2.4	-	-	-	-
4.7	475	0.65	0.61	0.315	0.276	0.08	2.7	2.7	-	-	-	-	-
5.6	565	0.65	0.61	0.315	0.276	0.08	3.2	3.2	-	-	-	-	-
6.8	685	0.65	0.61	0.315	0.276	0.08	3.7	-	-	-	-	-	-
8.2	825	0.65	0.61	0.315	0.276	0.08	4.5	-	-	-	-	-	-
0.39	394	0.65	0.61	0.394	0.276	0.08	1.6	1.6	1.6	1.6	1.6	1.6	1.6
0.56	564	0.65	0.61	0.394	0.276	0.08	1.9	1.9	1.9	1.9	1.9	1.9	-
0.68	684	0.65	0.61	0.394	0.276	0.08	2.3	2.3	2.3	2.3	2.3	2.3	-
1	105	0.65	0.61	0.394	0.276	0.08	2.7	2.7	2.7	2.7	2.7	-	-
1.2	125	0.65	0.61	0.394	0.276	0.08	3.2	3.2	3.2	3.2	3.2	-	-
2.7	275	0.65	0.61	0.394	0.276	0.08	2.6	2.6	2.6	2.6	-	-	-
3.9	395	0.65	0.61	0.394	0.276	0.08	2.8	2.8	2.8	-	-	-	-
4.7	475	0.65	0.61	0.394	0.276	0.08	3.4	3.4	3.4	-	-	-	-
6.8	685	0.65	0.61	0.394	0.276	0.08	3.2	3.2	-	-	-	-	-
8.2	825	0.65	0.61	0.394	0.276	0.08	4.7	4.7	-	-	-	-	-
10	106	0.65	0.61	0.394	0.276	0.08	5.5	-	-	-	-	-	-
12	126	0.65	0.61	0.394	0.276	0.08	6.6	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

TYPE DPM 948

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-3						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
μF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.47	474	0.65	0.61	0.473	0.276	0.08	2	2	2	2	2	2	2
0.56	564	0.65	0.61	0.473	0.276	0.08	2.4	2.4	2.4	2.4	2.4	2.4	2.4
0.82	824	0.65	0.61	0.473	0.276	0.08	2.8	2.8	2.8	2.8	2.8	2.8	-
3.3	335	0.65	0.61	0.473	0.276	0.08	3.2	3.2	3.2	3.2	-	-	-
5.6	565	0.65	0.61	0.473	0.276	0.08	4	4	4	-	-	-	-
10	106	0.65	0.61	0.473	0.276	0.08	5.7	5.7	-	-	-	-	-
15	156	0.65	0.61	0.473	0.276	0.08	8.3	-	-	-	-	-	-
1	106	0.65	0.61	0.551	0.276	0.08	3.4	3.4	3.4	3.4	3.4	3.4	-
1.5	155	0.65	0.61	0.551	0.276	0.08	4	4	4	4	4	-	-
1.8	185	0.65	0.61	0.551	0.276	0.08	4.8	4.8	4.8	4.8	4.8	-	-
3.9	395	0.65	0.61	0.551	0.276	0.08	3.8	3.8	3.8	3.8	-	-	-
6.8	685	0.65	0.61	0.551	0.276	0.08	4.9	4.9	4.9	-	-	-	-
12	126	0.65	0.61	0.551	0.276	0.08	6.8	6.8	-	-	-	-	-
18	186	0.65	0.61	0.551	0.276	0.08	9.9	-	-	-	-	-	-
0.68	684	0.65	0.61	0.67	0.276	0.059	2.9	2.9	2.9	2.9	2.9	2.9	2.9
1.2	125	0.65	0.61	0.67	0.276	0.08	4	4	4	4	4	4	-
2.2	225	0.65	0.61	0.67	0.276	0.08	5.9	5.9	5.9	5.9	5.9	-	-
4.7	475	0.65	0.61	0.67	0.276	0.08	4.6	4.6	4.6	4.6	-	-	-
8.2	825	0.65	0.61	0.67	0.276	0.08	5.9	5.9	5.9	-	-	-	-
15	156	0.65	0.61	0.67	0.276	0.08	8.5	8.5	-	-	-	-	-
22	226	0.65	0.61	0.67	0.276	0.08	12.1	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-4						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
μF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.18	184	0.728	0.67	0.236	0.276	0.08	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.22	224	0.728	0.67	0.236	0.276	0.08	0.7	0.7	0.7	0.7	0.7	0.7	0.7
0.27	274	0.728	0.67	0.236	0.276	0.08	0.7	0.7	0.7	0.7	0.7	0.7	-
0.33	334	0.728	0.67	0.236	0.276	0.08	0.9	0.9	0.9	0.9	0.9	0.9	-
0.39	394	0.728	0.67	0.236	0.276	0.08	1.1	1.1	1.1	1.1	1.1	1.1	-
0.47	474	0.728	0.67	0.236	0.276	0.08	1	1	1	1	1	-	-
0.56	564	0.728	0.67	0.236	0.276	0.08	1.3	1.3	1.3	1.3	1.3	-	-
1.2	125	0.728	0.67	0.236	0.276	0.08	1	1	1	1	-	-	-
1.5	155	0.728	0.67	0.236	0.276	0.08	1.3	1.3	1.3	1.3	-	-	-
2.2	225	0.728	0.67	0.236	0.276	0.08	1.4	1.4	1.4	-	-	-	-
2.7	275	0.728	0.67	0.236	0.276	0.08	1.7	1.7	1.7	-	-	-	-
3.9	395	0.728	0.67	0.236	0.276	0.08	2	2	-	-	-	-	-
4.7	475	0.728	0.67	0.236	0.276	0.08	2.3	2.4	-	-	-	-	-
5.6	565	0.728	0.67	0.236	0.276	0.08	2.8	-	-	-	-	-	-
6.8	685	0.728	0.67	0.236	0.276	0.08	3.4	-	-	-	-	-	-
0.27	274	0.728	0.67	0.315	0.276	0.08	0.9	0.9	0.9	0.9	0.9	0.9	0.9
0.33	334	0.728	0.67	0.315	0.276	0.08	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0.47	474	0.728	0.67	0.315	0.276	0.08	1.3	1.3	1.3	1.3	1.3	1.3	-
0.56	564	0.728	0.67	0.315	0.276	0.08	1.6	1.6	1.6	1.6	1.6	1.6	-
0.68	684	0.728	0.67	0.315	0.276	0.08	1.6	1.6	1.6	1.6	1.6	2	-
0.82	824	0.728	0.67	0.315	0.276	0.08	2	2	2	2	2	-	-
1.8	185	0.728	0.67	0.315	0.276	0.08	1.6	1.6	1.6	1.6	-	-	-
2.2	225	0.728	0.67	0.315	0.276	0.08	2	2	2	2	-	-	-
3.3	335	0.728	0.67	0.315	0.276	0.08	2.1	2.1	2.1	-	-	-	-
3.9	395	0.728	0.67	0.315	0.276	0.08	2.5	2.5	2.5	-	-	-	-
5.6	565	0.728	0.67	0.315	0.276	0.08	2.9	2.9	-	-	-	-	-
6.8	685	0.728	0.67	0.315	0.276	0.08	3.4	3.4	-	-	-	-	-
8.2	825	0.728	0.67	0.315	0.276	0.08	4	4.2	-	-	-	-	-
10	106	0.728	0.67	0.315	0.276	0.08	4.9	-	-	-	-	-	-
0.39	394	0.728	0.67	0.394	0.276	0.08	1.4	1.4	1.4	1.4	1.4	1.4	1.4
0.47	474	0.728	0.67	0.394	0.276	0.08	1.6	1.6	1.6	1.6	1.6	1.6	1.6
0.82	824	0.728	0.67	0.394	0.276	0.08	2.5	2.5	2.5	2.5	2.5	2.5	-
1	105	0.728	0.67	0.394	0.276	0.08	2.4	2.4	2.4	2.4	2.4	-	-
1.2	125	0.728	0.67	0.394	0.276	0.08	2.9	2.9	2.9	2.9	2.9	-	-
2.7	275	0.728	0.67	0.394	0.276	0.08	2.4	2.4	2.4	2.4	-	-	-
3.3	335	0.728	0.67	0.394	0.276	0.08	3	3	3	3	-	-	-
4.7	475	0.728	0.67	0.394	0.276	0.08	3	3	3	-	-	-	-
5.6	565	0.728	0.67	0.394	0.276	0.08	3.6	3.6	3.6	-	-	-	-
10	106	0.728	0.67	0.394	0.276	0.08	5.1	5.1	-	-	-	-	-
12	126	0.728	0.67	0.394	0.276	0.08	5.9	-	-	-	-	-	-
15	156	0.728	0.67	0.394	0.276	0.08	7.4	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.

CAPACITORS FOR HIGH FREQUENCY SWITCH MODE POWER SUPPLIES

TYPE DPM 948

STANDARD RATINGS

Capacitance		Dimensions (in inches)					TYPE DPM 948-4						
							63 V (l. rms)	100 V (l. rms)	160 V (l. rms)	250 V (l. rms)	400 V (l. rms)	500 V (l. rms)	630 V (l. rms)
μF	Code	Max. "L"	Max. "E"	Max. "H"	R ± 0.008	S ± 0.008							
0.56	564	0.728	0.67	0.473	0.276	0.08	2	2	2	2	2	2	2
0.68	684	0.728	0.67	0.473	0.276	0.08	2.5	2.5	2.5	2.5	2.5	2.5	2.5
1	105	0.728	0.67	0.473	0.276	0.08	3	3	3	3	3	3	-
1.5	155	0.728	0.67	0.473	0.276	0.08	3.6	3.6	3.6	3.6	3.6	-	-
1.8	185	0.728	0.67	0.473	0.276	0.08	4.3	4.3	4.3	4.3	4.3	-	-
3.9	395	0.728	0.67	0.473	0.276	0.08	3.5	3.5	3.5	3.5	-	-	-
6.8	685	0.728	0.67	0.473	0.276	0.08	4.3	4.3	4.3	-	-	-	-
8.2	825	0.728	0.67	0.473	0.276	0.08	5.2	5.2	5.2	-	-	-	-
12	126	0.728	0.67	0.473	0.276	0.08	6.1	6.1	-	-	-	-	-
15	156	0.728	0.67	0.473	0.276	0.08	7.6	7.6	-	-	-	-	-
18	186	0.728	0.67	0.473	0.276	0.08	8.9	-	-	-	-	-	-
0.82	824	0.728	0.67	0.591	0.276	0.08	3.1	3.1	3.1	3.1	3.1	3.1	3.1
1	105	0.728	0.67	0.591	0.276	0.08	3.7	3.7	3.7	3.7	3.7	3.7	3.7
1.2	125	0.728	0.67	0.591	0.276	0.08	3.6	3.6	3.6	3.6	3.6	3.6	-
1.5	155	0.728	0.67	0.591	0.276	0.08	4.5	4.5	4.5	4.5	4.5	4.5	-
2.2	225	0.728	0.67	0.591	0.276	0.08	5.3	5.3	5.3	5.3	5.3	-	-
4.7	475	0.728	0.67	0.591	0.276	0.08	4.3	4.3	4.3	4.3	-	-	-
5.6	565	0.728	0.67	0.591	0.276	0.08	5.1	5.1	5.1	5.1	-	-	-
10	106	0.728	0.67	0.591	0.276	0.08	6.4	6.4	6.4	-	-	-	-
18	186	0.728	0.67	0.591	0.276	0.08	9.1	9.1	-	-	-	-	-
22	226	0.728	0.67	0.591	0.276	0.08	10	-	-	-	-	-	-
1.2	125	0.65	0.61	0.67	0.276	0.08	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1.8	185	0.65	0.61	0.67	0.276	0.08	5.4	5.4	5.4	5.4	5.4	5.4	-
2.7	275	0.65	0.61	0.67	0.276	0.08	6.5	6.5	6.5	6.5	6.5	-	-
6.8	685	0.65	0.61	0.67	0.276	0.08	6.2	6.2	6.2	6.2	-	-	-
12	126	0.65	0.61	0.67	0.276	0.08	7.7	7.7	7.7	-	-	-	-
22	226	0.65	0.61	0.67	0.276	0.08	11.2	11.2	-	-	-	-	-
27	276	0.65	0.61	0.67	0.276	0.08	12.2	-	-	-	-	-	-

RMS current rated at 300kHz up to 105°C.