



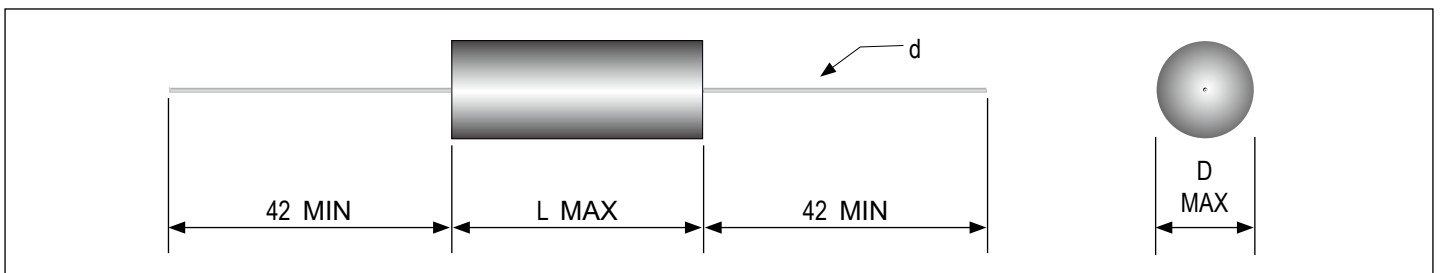
**MAIN CHARACTERISTICS:**

- SELF-HEALING METALLIZED POLYPROPYLENE DOUBLE SIDE FILM
- TAPE WRAP AND EPOXY FILL CASE
- EPOXY FILLING

**MAIN APPLICATIONS:**

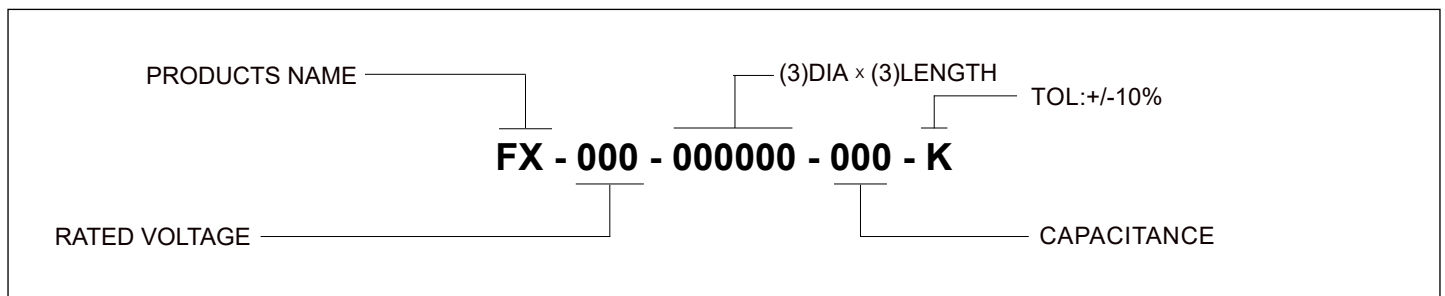
- MEDIUM VOLTAGE, ,HIGH CURRENT , HIGH PULSE APPLICATIONS
- ENERGY CONVERSION AND CONTROL IN POWER SEMICONDUCTOR CITCUITS
- SMPS, MOTOR SPEED CONTROLS
- SNUBBER

**DIEMENSION**



<b>DC VOLTAGE RANGE</b>	600~10000 V
<b>CAPACITANCE RANGE</b>	UP TO 6 $\mu$ F
<b>CAPACITANCE TOLERANCE (+25°C)</b>	STANDARD: $\pm$ 10% ON REQUEST $\pm$ 1%, $\pm$ 2%, $\pm$ 5%
<b>EQUVALENT SERIES RESISTANCE</b>	< 4.5 m $\Omega$
<b>MAXIMUM VOLTAGE RATE OF RISE(dV/dT)</b>	$\leq$ 2800 V/ $\mu$ S
<b>TERMINALS</b>	TINNED COPPER WIRE
<b>VOLTAGE TEST</b>	RATED VOLTAGE X 1.5 TIMES FOR 10 SECS
<b>WORKING &amp; STORAGE TEMPERATURE</b>	-25 / +85 °C
<b>CYLINDRICAL CASE AND FILLING</b>	EPOXY FILLING
<b>PROTECTIVE MECHANISM</b>	SELF HEALING
<b>LIFE EXPECTANCY</b>	100,000 HOURS TYP
<b>SOLDERING HEAT TEST</b>	TEMPERATURE = 260 $\pm$ 5°C
<b>DISSIPATION FACTOR</b>	DF VALUE $\leq$ 1%, MEASURED AT 25 $\pm$ 5°C, 1kHz

## ORDERING INFORMATION



ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.

## 600VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup>	DIMENSIONS[mm]			LEAD	CURRENT	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK	μF	D MAX	L MAX	d	AWG	I-PEAK <sup>(2)</sup> [A]	
600	275	950	0.1	11	38	0.8	20	50	FX-006-011038-104-K
600	275	950	0.15	13	38	0.8	20	75	FX-006-013038-154-K
600	275	950	0.22	15	38	0.8	20	110	FX-006-015038-224-K
600	275	950	0.33	18	38	0.8	20	165	FX-006-018038-334-K
600	275	950	0.47	21	38	0.8	20	235	FX-006-021038-474-K
600	275	950	0.68	25	38	1	18	340	FX-006-025038-684-K
600	275	950	1	30	38	1	18	500	FX-006-030038-105-K
600	275	950	1.2	23	58	1	18	360	FX-006-023058-125-K
600	275	950	1.5	26	58	1	18	450	FX-006-026058-155-K
600	275	950	2	29	58	1.2	16	600	FX-006-029058-205-K
600	275	950	2.2	31	58	1.2	16	660	FX-006-031058-225-K
600	275	950	2.5	33	58	1.2	16	750	FX-006-033058-255-K
600	275	950	3	36	58	1.2	16	900	FX-006-036058-305-K
600	275	950	3.3	38	58	1.2	16	990	FX-006-038058-335-K
600	275	950	3.7	40	58	1.2	16	1110	FX-006-040058-375-K
600	275	950	4	41	58	1.2	16	1200	FX-006-041058-405-K
600	275	950	4.7	44	58	1.2	16	1410	FX-006-044058-475-K

\*\*CAPACITANCE AND THREADS TERMINAL AVAILABLE AS CUSTOM.

- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.
- (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.
- (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 600VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup> μF	DIMENSIONS[mm]			LEAD AWG	CURRENT I-PEAK <sup>(2)</sup> [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D MAX	L MAX	d			
600	275	950	5	46	58	1.2	16	1500	FX-006-046058-505-K
600	275	950	5.6	48	58	1.2	16	1680	FX-006-048058-565-K
600	275	950	6	50	58	1.2	16	1800	FX-006-050058-605-K

## 800VDC, RATED VOLTAGE

800	450	1250	0.1	12	38	0.8	20	65	FX-008-012038-104-K
800	450	1250	0.15	15	38	0.8	20	98	FX-008-015038-154-K
800	450	1250	0.22	18	38	0.8	20	143	FX-008-018038-224-K
800	450	1250	0.33	21	38	0.8	20	215	FX-008-021038-334-K
800	450	1250	0.47	24	38	1	18	306	FX-008-024038-474-K
800	450	1250	0.68	28	38	1	18	442	FX-008-028038-684-K
800	450	1250	1	24	58	1	18	400	FX-008-024058-105-K
800	450	1250	1.2	26	58	1	18	480	FX-008-026058-125-K
800	450	1250	1.5	29	58	1.2	16	600	FX-008-029058-155-K
800	450	1250	2	33	58	1.2	16	800	FX-008-033058-205-K
800	450	1250	2.2	36	58	1.2	16	880	FX-008-036058-225-K
800	450	1250	2.5	38	58	1.2	16	1000	FX-008-038058-255-K
800	450	1250	3	41	58	1.2	16	1200	FX-008-041058-305-K

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 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 800VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup>	DIMENSIONS[mm]			LEAD	CURRENT	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK	μF	D MAX	L MAX	d	AWG	I-PEAK <sup>(2)</sup> [A]	
800	450	1250	3.3	43	58	1.2	16	1320	FX-008-043058-335-K
800	450	1250	3.7	45	58	1.2	16	1480	FX-008-045058-375-K
800	450	1250	4	47	58	1.2	16	1600	FX-008-047058-405-K

## 1000VDC, RATED VOLTAGE

1000	500	1550	0.1	14	38	0.8	20	82	FX-010-014038-104-K
1000	500	1550	0.15	17	38	0.8	20	123	FX-010-017038-154-K
1000	500	1550	0.22	19	38	0.8	20	180	FX-010-019038-224-K
1000	500	1550	0.33	23	38	0.8	20	271	FX-010-023038-334-K
1000	500	1550	0.47	27	38	1	18	385	FX-010-027038-474-K
1000	500	1550	0.68	23	58	1	18	340	FX-010-023058-684-K
1000	500	1550	1	26	58	1.2	16	500	FX-010-026058-105-K
1000	500	1550	1.2	29	58	1.2	16	600	FX-010-029058-125-K
1000	500	1550	1.5	33	58	1.2	16	750	FX-010-033058-155-K
1000	500	1550	2	38	58	1.2	16	1000	FX-010-038058-205-K
1000	500	1550	2.2	40	58	1.2	16	1100	FX-010-040058-225-K
1000	500	1550	2.5	42	58	1.2	16	1250	FX-010-042058-255-K

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- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.  
 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 1200VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup>	DIMENSIONS[mm]			LEAD	CURRENT	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK	μF	D MAX	L MAX	d	AWG	I-PEAK <sup>(2)</sup> [A]	
1200	600	1800	0.047	12	38	0.8	20	47	FX-012-012038-473-K
1200	600	1800	0.068	14	38	0.8	20	68	FX-012-014038-683-K
1200	600	1800	0.1	16	38	0.8	20	100	FX-012-016038-104-K
1200	600	1800	0.15	19	38	0.8	20	150	FX-012-019038-154-K
1200	600	1800	0.22	22	38	0.8	20	220	FX-012-022038-224-K
1200	600	1800	0.33	27	38	1	18	330	FX-012-027038-334-K
1200	600	1800	0.47	22	58	1	18	282	FX-012-022058-474-K
1200	600	1800	0.68	26	58	1	18	408	FX-012-026058-684-K
1200	600	1800	1	32	58	1.2	16	600	FX-012-032058-105-K
1200	600	1800	1.2	35	58	1.2	16	720	FX-012-035058-125-K
1200	600	1800	1.5	39	58	1.2	16	900	FX-012-039058-155-K
1200	600	1800	2	44	58	1.2	16	1200	FX-012-044058-205-K
1200	600	1800	2.2	46	58	1.2	16	1320	FX-012-046058-225-K

## 1600VDC, RATED VOLTAGE

1600	800	2400	0.033	12	38	0.8	20	45	FX-016-012038-333-K
1600	800	2400	0.047	14	38	0.8	20	63	FX-016-014038-473-K
1600	800	2400	0.068	16	38	0.8	20	92	FX-016-016038-683-K
1600	800	2400	0.1	19	38	0.8	20	135	FX-016-019038-104-K

\*\*CAPACITANCE AND THREADS TERMINAL AVAILABLE AS CUSTOM.

- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.  
 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 1600VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup>	DIMENSIONS[mm]			LEAD	CURRENT	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK	μF	D MAX	L MAX	d	AWG	I-PEAK <sup>(2)</sup> [A]	
1600	800	2400	0.15	22	38	0.8	20	203	FX-016-022038-154-K
1600	800	2400	0.22	27	38	1	18	297	FX-016-027038-224-K
1600	800	2400	0.33	23	58	1	18	264	FX-016-023058-334-K
1600	800	2400	0.47	27	58	1	18	376	FX-016-027058-474-K
1600	800	2400	0.68	32	58	1.2	16	544	FX-016-032058-684-K
1600	800	2400	1	38	58	1.2	16	800	FX-016-038058-105-K
1600	800	2400	1.2	42	58	1.2	16	960	FX-016-042058-125-K
1600	800	2400	1.5	46	58	1.2	16	1200	FX-016-046058-155-K

## 2000VDC, RATED VOLTAGE

2000	1000	3000	0.01	10	38	0.8	20	17	FX-020-010038-103-K
2000	1000	3000	0.015	11	38	0.8	20	25	FX-020-011038-153-K
2000	1000	3000	0.022	13	38	0.8	20	37	FX-020-013038-223-K
2000	1000	3000	0.033	15	38	0.8	20	55	FX-020-015038-333-K
2000	1000	3000	0.047	17	38	0.8	20	79	FX-020-017038-473-K
2000	1000	3000	0.068	21	38	0.8	20	114	FX-020-021038-683-K
2000	1000	3000	0.1	25	38	1	20	168	FX-020-025038-104-K
2000	1000	3000	0.15	29	38	1	20	252	FX-020-029038-154-K
2000	1000	3000	0.22	35	38	1	20	370	FX-020-035038-224-K

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 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 2000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup> μF	DIMENSIONS[mm]			LEAD AWG	CURRENT I-PEAK <sup>(2)</sup> [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D MAX	L MAX	d			
2000	1000	3000	0.33	27	60	1.2	18	330	FX-020-027060-334-K
2000	1000	3000	0.47	31	60	1.2	18	470	FX-020-031060-474-K
2000	1000	3000	0.68	37	60	1.2	16	680	FX-020-037060-684-K
2000	1000	3000	1	44	60	1.2	16	1000	FX-020-044060-105-K

## 3000VDC, RATED VOLTAGE

3000	1500	4500	0.01	12	38	0.8	20	21	FX-030-012038-103-K
3000	1500	4500	0.015	14	38	0.8	20	32	FX-030-014038-153-K
3000	1500	4500	0.022	16	38	0.8	20	46	FX-030-016038-223-K
3000	1500	4500	0.033	20	38	0.8	20	69	FX-030-020038-333-K
3000	1500	4500	0.047	23	38	0.8	20	99	FX-030-023038-473-K
3000	1500	4500	0.068	28	38	1	18	143	FX-030-028038-683-K
3000	1500	4500	0.1	22	61	1	18	125	FX-030-022061-104-K
3000	1500	4500	0.15	26	61	1	18	188	FX-030-026061-154-K
3000	1500	4500	0.22	33	61	1.2	16	275	FX-030-033061-224-K
3000	1500	4500	0.33	40	61	1.2	16	413	FX-030-040061-334-K
3000	1500	4500	0.47	47	61	1.2	16	588	FX-030-047061-474-K

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 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C



## 4000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup>	DIMENSIONS[mm]			LEAD	CURRENT	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK	μF	D MAX	L MAX	d	AWG	I-PEAK <sup>(2)</sup> [A]	
4000	2000	6000	0.0047	12	38	0.8	20	12	FX-040-012038-472-K
4000	2000	6000	0.0068	14	38	0.8	20	18	FX-040-014038-682-K
4000	2000	6000	0.01	16	38	0.8	20	26	FX-040-016038-103-K
4000	2000	6000	0.015	21	38	0.8	20	39	FX-040-021038-153-K
4000	2000	6000	0.022	25	38	0.8	20	57	FX-040-025038-223-K
4000	2000	6000	0.033	18	61	1	18	51	FX-040-018061-333-K
4000	2000	6000	0.047	20	61	1	18	73	FX-040-020061-473-K
4000	2000	6000	0.068	24	61	1	18	105	FX-040-024061-683-K
4000	2000	6000	0.1	29	61	1.2	16	155	FX-040-029061-104-K
4000	2000	6000	0.15	35	61	1.2	16	233	FX-040-035061-154-K
4000	2000	6000	0.22	42	61	1.2	16	341	FX-040-042061-224-K

## 6000VDC, RATED VOLTAGE

6000	3000	9000	0.0047	11	61	1	18	9	FX-060-011061-472-K
6000	3000	9000	0.0068	14	61	1	18	14	FX-060-014061-682-K
6000	3000	9000	0.01	16	61	1	18	20	FX-060-016061-103-K
6000	3000	9000	0.015	19	61	1	18	30	FX-060-019061-153-K
6000	3000	9000	0.022	23	61	1	18	44	FX-060-023061-223-K
6000	3000	9000	0.033	27	61	1	18	66	FX-060-027061-333-K
6000	3000	9000	0.047	32	61	1	18	94	FX-060-032061-473-K

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 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

## 6000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP <sup>(3)</sup> μF	DIMENSIONS[mm]			LEAD AWG	CURRENT I-PEAK <sup>(2)</sup> [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D MAX	L MAX	d			
6000	3000	9000	0.068	38	61	1	18	136	FX-060-038061-683-K
6000	3000	9000	0.1	44	61	1	18	200	FX-060-044061-104-K
6000	3000	9000	0.15	37	93	1.2	16	146	FX-060-037093-154-K
6000	3000	9000	0.22	45	93	1.2	16	215	FX-060-045093-224-K

## 10000VDC, RATED VOLTAGE

10000	5000	15000	0.001	10	61	1	18	4	FX-100-010061-102-K
10000	5000	15000	0.0015	12	61	1	18	6	FX-100-012061-152-K
10000	5000	15000	0.0022	13	61	1	18	6	FX-100-013061-222-K
10000	5000	15000	0.0033	15	61	1	18	9	FX-100-015061-332-K
10000	5000	15000	0.0047	17	61	1	18	13	FX-100-017061-472-K
10000	5000	15000	0.0068	20	61	1	18	19	FX-100-020061-682-K
10000	5000	15000	0.01	24	61	1	18	28	FX-100-024061-103-K
10000	5000	15000	0.015	28	61	1	18	42	FX-100-028061-153-K
10000	5000	15000	0.022	34	61	1	18	62	FX-100-034061-223-K
10000	5000	15000	0.033	42	61	1	18	92	FX-100-042061-333-K
10000	5000	15000	0.047	33	93	1.2	16	63	FX-100-033093-473-K
10000	5000	15000	0.068	39	93	1.2	16	92	FX-100-039093-683-K
10000	5000	15000	0.1	47	93	1.2	16	135	FX-100-047093-104-K

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- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.  
 (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.  
 (3) MEASURED AT 1kHz ±20Hz AT 25°C

ALL INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT PRE-NOTICE.