

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



## MAIN CHARACTERISTICS:

- SELF-HEALING METALLIZED POLYPROPYLENE FILM
- ALUMINUM CASE
- DRY RESIN FILLING

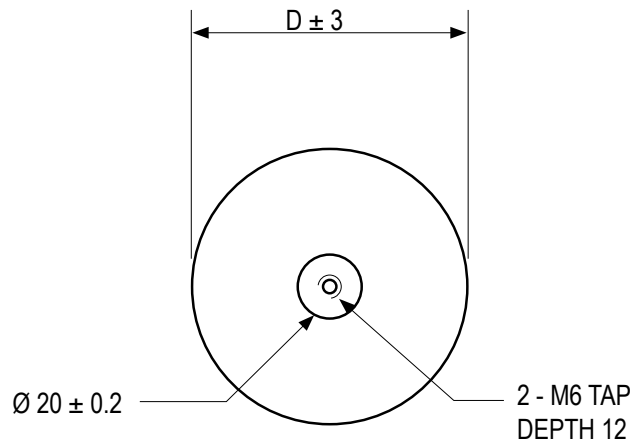
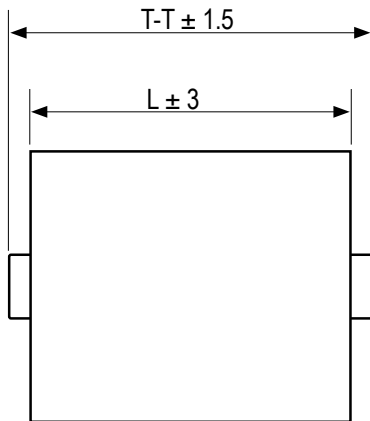


## MAIN APPLICATIONS:

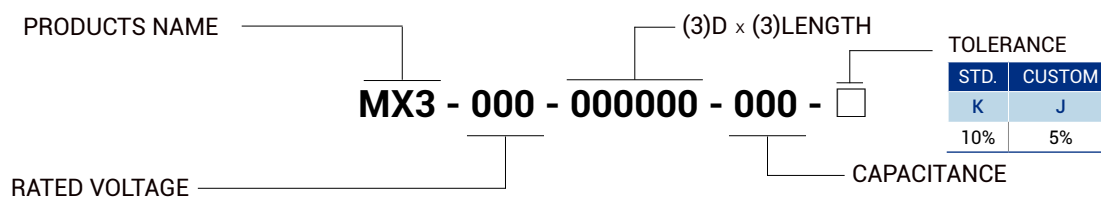
- DC-LINK
- ENERGY STORAGE / PULSE GENERATION



## DIEMENSIONS



## ORDERING INFORMATION



All of specifications Subject to change without prenotice.

# MX3

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## SPECIFICATIONS

DC VOLTAGE RANGE	600~3600 V
MAXIMUM RIPPLE VOLTAGE	900 V
MAXIMUM RIPPLE CURRENT	100 A
CAPACITANCE RANGE	UP TO 3300 $\mu$ F
CAPACITANCE TOLERANCE	STANDARD: $\pm$ 10% ON REQUEST $\pm$ 5%
EQUIVALENT SERIES RESISTANCE (ESR)	< 4.5 m $\Omega$
MAXIMUM VOLTAGE RATE OF RISE(dV/dT)	$\leq$ 110 V/ $\mu$ s
TERMINALS	M6 SCREW TYPES BOLTS
VOLTAGE TEST	RATED VOLTAGE X 1.4 TIMES FOR 10 SECS
WORKING & STORAGE TEMPERATURE	-55 / +85 $^{\circ}$ C
CYLINDRICAL CASE AND FILLING	FLAME RETARDANT EPOXY RESIN FILL AND TAPE WRAP
PROTECTIVE MECHANISM	SELF HEALING
CYLINDRICAL CASE	PP TAPE
LIFE EXPECTANCY	100,000 HOURS TYP.
M6 SCREW TERMINALS	Max 3 Nm
DISSIPATION FACTOR	DF VALUE $\leq$ 0.05 % , MEASURED AT 25 $\pm$ 5 $^{\circ}$ C, 1 KHZ

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600VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
600	100	900	250	49	136.5	146.5	M6	2.0	21	4.5	MX3-006-049136-257-K
600	100	900	300	53	136.5	146.5	M6	2.5	26	3.7	MX3-006-053136-307-K
600	100	900	350	56	136.5	146.5	M6	2.7	28	3.4	MX3-006-056136-357-K
600	100	900	400	59	136.5	146.5	M6	2.9	30	3.1	MX3-006-059136-407-K
600	100	900	450	62	136.5	146.5	M6	3.0	31	3.0	MX3-006-062136-457-K
600	100	900	500	65	136.5	146.5	M6	3.0	32	3.0	MX3-006-065136-507-K
600	100	900	550	68	136.5	146.5	M6	3.8	40	2.4	MX3-006-068136-557-K
600	100	900	600	70	136.5	146.5	M6	3.8	40	2.4	MX3-006-070136-607-K
600	100	900	700	75	136.5	146.5	M6	3.8	40	2.4	MX3-006-075136-707-K
600	100	900	800	80	136.5	146.5	M6	6.2	65	1.5	MX3-006-080136-807-K
600	100	900	1000	88	136.5	146.5	M6	7.6	80	1.2	MX3-006-088136-108-K
600	100	900	1200	85	166.5	176.5	M6	6.2	65	1.5	MX3-006-085166-128-K
600	100	900	1500	94	166.5	176.5	M6	6.7	70	1.3	MX3-006-094166-158-K
600	100	900	1800	102	166.5	176.5	M6	7.6	80	1.2	MX3-006-102166-188-K
600	100	900	2000	107	166.5	176.5	M6	5.7	60	1.6	MX3-006-107166-208-K
600	100	900	2300	105	186.5	196.5	M6	9.5	100	0.9	MX3-006-105186-238-K
600	100	900	2500	109	186.5	196.5	M6	6.2	65	1.5	MX3-006-109186-258-K
600	100	900	2800	115	186.5	196.5	M6	8.6	90	1.0	MX3-006-115186-288-K
600	100	900	3000	119	186.5	196.5	M6	11.4	120	0.8	MX3-006-119186-308-K
600	100	900	3300	126	186.5	196.5	M6	8.6	90	1.0	MX3-006-126186-338-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
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700VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
700	120	1000	200	51	136.5	146.5	M6	2.4	25	4.2	MX3-007-051136-207-K
700	120	1000	250	56	136.5	146.5	M6	2.8	30	3.5	MX3-007-056136-257-K
700	120	1000	300	60	136.5	146.5	M6	3.2	34	3.1	MX3-007-060136-307-K
700	120	1000	350	64	136.5	146.5	M6	3.6	38	2.8	MX3-007-064136-357-K
700	120	1000	400	68	136.5	146.5	M6	3.8	40	2.6	MX3-007-068136-407-K
700	120	1000	450	71	136.5	146.5	M6	4.4	46	2.3	MX3-007-071136-457-K
700	120	1000	500	75	136.5	146.5	M6	4.7	49	2.1	MX3-007-075136-507-K
700	120	1000	550	78	136.5	146.5	M6	5.1	53	2.0	MX3-007-078136-557-K
700	120	1000	600	81	136.5	146.5	M6	5.4	57	1.9	MX3-007-081136-607-K
700	120	1000	700	87	136.5	146.5	M6	6.1	64	1.6	MX3-007-087136-707-K
700	120	1000	800	81	166.5	176.5	M6	6.6	69	1.5	MX3-007-081166-807-K
700	120	1000	1000	89	166.5	176.5	M6	6.8	72	1.5	MX3-007-089166-108-K
700	120	1000	1200	97	166.5	176.5	M6	7.9	83	1.3	MX3-007-097166-128-K
700	120	1000	1500	108	166.5	176.5	M6	8.6	90	1.2	MX3-007-108166-158-K
700	120	1000	1800	109	186.5	196.5	M6	9.9	104	1.0	MX3-007-109186-188-K
700	120	1000	2000	114	186.5	196.5	M6	9.8	103	1.0	MX3-007-114186-208-K
700	120	1000	2300	122	186.5	196.5	M6	9.2	97	1.1	MX3-007-122186-238-K
700	120	1000	2500	127	186.5	196.5	M6	9.8	103	1.0	MX3-007-127186-258-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



900VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
900	225	1350	150	51	136.5	146.5	M6	2.3	24	6.0	MX3-009-051136-157-K
900	225	1350	180	55	136.5	146.5	M6	2.5	21	5.4	MX3-009-055136-187-K
900	225	1350	200	57	136.5	146.5	M6	2.7	22	5.0	MX3-009-057136-207-K
900	225	1350	250	63	136.5	146.5	M6	3.2	27	4.2	MX3-009-063136-257-K
900	225	1350	300	68	136.5	146.5	M6	3.7	31	3.7	MX3-009-068136-307-K
900	225	1350	350	72	136.5	146.5	M6	4.1	34	3.3	MX3-009-072136-357-K
900	225	1350	400	77	136.5	146.5	M6	4.4	37	3.1	MX3-009-077136-407-K
900	225	1350	450	81	136.5	146.5	M6	4.7	39	2.9	MX3-009-081136-457-K
900	225	1350	500	85	136.5	146.5	M6	4.9	41	2.8	MX3-009-085136-507-K
900	225	1350	550	76	171.5	181.5	M6	5.1	42	2.7	MX3-009-076171-557-K
900	225	1350	600	79	171.5	181.5	M6	5.2	43	2.6	MX3-009-079171-607-K
900	225	1350	700	84	171.5	181.5	M6	5.6	47	2.4	MX3-009-084171-707-K
900	225	1350	800	90	171.5	181.5	M6	5.9	49	2.3	MX3-009-090171-807-K
900	225	1350	1000	99	171.5	181.5	M6	6.8	57	2.0	MX3-009-099171-108-K
900	225	1350	1200	102	186.5	196.5	M6	7.4	62	1.8	MX3-009-102186-128-K
900	225	1350	1500	114	186.5	196.5	M6	8.4	70	1.6	MX3-009-114186-158-K
900	225	1350	1800	124	186.5	196.5	M6	9.0	75	1.5	MX3-009-124186-188-K

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

- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.  
(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.  
(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

## HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



1100VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
1100	250	1500	80	48	136.5	146.5	M6	2.2	23	6.8	MX3-011-048136-806-K
1100	250	1500	100	52	136.5	146.5	M6	2.4	25	6.3	MX3-011-052136-107-K
1100	250	1500	120	56	136.5	146.5	M6	2.6	27	5.8	MX3-011-056136-127-K
1100	250	1500	150	61	136.5	146.5	M6	2.8	29	5.4	MX3-011-061136-157-K
1100	250	1500	180	66	136.5	146.5	M6	3.0	32	4.9	MX3-011-066136-187-K
1100	250	1500	200	69	136.5	146.5	M6	3.2	33	4.7	MX3-011-069136-207-K
1100	250	1500	250	76	136.5	146.5	M6	3.5	37	4.3	MX3-011-076136-257-K
1100	250	1500	300	82	136.5	146.5	M6	3.8	40	4.0	MX3-011-082136-307-K
1100	250	1500	350	88	136.5	146.5	M6	4.0	43	3.7	MX3-011-088136-357-K
1100	250	1500	400	82	166.5	176.5	M6	3.1	33	4.9	MX3-011-082166-407-K
1100	250	1500	450	86	166.5	176.5	M6	3.2	34	4.6	MX3-011-086166-457-K
1100	250	1500	500	90	166.5	176.5	M6	3.4	36	4.4	MX3-011-090166-507-K
1100	250	1500	550	94	166.5	176.5	M6	3.5	37	4.2	MX3-011-094166-557-K
1100	250	1500	600	98	166.5	176.5	M6	3.7	39	4.1	MX3-011-098166-607-K
1100	250	1500	700	98	186.5	196.5	M6	3.3	35	4.6	MX3-011-098186-707-K
1100	250	1500	800	104	186.5	196.5	M6	3.5	37	4.3	MX3-011-104186-807-K
1100	250	1500	1000	116	186.5	196.5	M6	3.9	41	3.8	MX3-011-116186-108-K
1100	250	1500	1200	126	186.5	196.5	M6	4.2	45	3.5	MX3-011-126186-128-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



1200VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
1200	300	1800	70	49	136.5	146.5	M6	2.5	26	7.3	MX3-012-049136-706-K
1200	300	1800	80	51	136.5	146.5	M6	2.6	27	7.0	MX3-012-051136-806-K
1200	300	1800	100	56	136.5	146.5	M6	2.8	30	6.4	MX3-012-056136-107-K
1200	300	1800	120	60	136.5	146.5	M6	3.0	32	6.0	MX3-012-060136-127-K
1200	300	1800	150	66	136.5	146.5	M6	3.3	35	5.4	MX3-012-066136-157-K
1200	300	1800	180	71	136.5	146.5	M6	3.6	37	5.1	MX3-012-071136-187-K
1200	300	1800	200	75	136.5	146.5	M6	3.8	40	4.8	MX3-012-075136-207-K
1200	300	1800	250	83	136.5	146.5	M6	4.2	44	4.3	MX3-012-083136-257-K
1200	300	1800	300	77	171.5	181.5	M6	3.1	32	5.9	MX3-012-077171-307-K
1200	300	1800	350	82	171.5	181.5	M6	3.3	34	5.5	MX3-012-082171-357-K
1200	300	1800	400	87	171.5	181.5	M6	3.5	37	5.2	MX3-012-087171-407-K
1200	300	1800	450	92	171.5	181.5	M6	3.7	39	4.9	MX3-012-092171-457-K
1200	300	1800	500	97	171.5	181.5	M6	3.9	41	4.7	MX3-012-097171-507-K
1200	300	1800	550	96	186.5	196.5	M6	3.5	37	5.1	MX3-012-096186-557-K
1200	300	1800	600	100	186.5	196.5	M6	3.7	39	4.9	MX3-012-100186-607-K
1200	300	1800	700	107	186.5	196.5	M6	3.9	41	4.6	MX3-012-107186-707-K
1200	300	1800	800	114	186.5	196.5	M6	4.2	44	4.3	MX3-012-114186-807-K
1200	300	1800	1000	127	186.5	196.5	M6	4.7	49	3.9	MX3-012-127186-108-K

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

- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.  
(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.  
(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
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1300VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
1300	320	1900	60	49	136.5	146.5	M6	2.7	28	7.0	MX3-013-049136-606-K
1300	320	1900	70	52	136.5	146.5	M6	2.9	30	6.6	MX3-013-052136-706-K
1300	320	1900	80	55	136.5	146.5	M6	3.0	32	6.3	MX3-013-055136-806-K
1300	320	1900	100	60	136.5	146.5	M6	3.3	35	5.7	MX3-013-060136-107-K
1300	320	1900	120	65	136.5	146.5	M6	3.6	38	5.3	MX3-013-065136-127-K
1300	320	1900	150	71	136.5	146.5	M6	3.9	41	4.8	MX3-013-071136-157-K
1300	320	1900	180	77	136.5	146.5	M6	4.3	45	4.5	MX3-013-077136-187-K
1300	320	1900	200	81	136.5	146.5	M6	4.5	47	4.2	MX3-013-081136-207-K
1300	320	1900	250	77	171.5	181.5	M6	3.4	36	5.6	MX3-013-077171-257-K
1300	320	1900	300	83	171.5	181.5	M6	3.6	38	5.2	MX3-013-083171-307-K
1300	320	1900	350	89	171.5	181.5	M6	3.9	41	4.9	MX3-013-089171-357-K
1300	320	1900	400	95	171.5	181.5	M6	4.2	44	4.5	MX3-013-095171-407-K
1300	320	1900	450	100	171.5	181.5	M6	4.4	46	4.3	MX3-013-100171-457-K
1300	320	1900	500	99	186.5	196.5	M6	4.0	42	4.7	MX3-013-099186-507-K
1300	320	1900	550	104	186.5	196.5	M6	4.2	44	4.5	MX3-013-104186-557-K
1300	320	1900	600	108	186.5	196.5	M6	4.4	46	4.4	MX3-013-108186-607-K
1300	320	1900	700	116	186.5	196.5	M6	4.7	49	4.1	MX3-013-116186-707-K
1300	320	1900	800	124	186.5	196.5	M6	5.0	53	3.8	MX3-013-124186-807-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C



# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
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1500VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
1500	375	2250	50	51	136.5	146.5	M6	3.3	35	6.8	MX3-015-051136-506-K
1500	375	2250	60	55	136.5	146.5	M6	3.6	38	6.3	MX3-015-055136-606-K
1500	375	2250	70	59	136.5	146.5	M6	3.8	40	5.9	MX3-015-059136-706-K
1500	375	2250	80	62	136.5	146.5	M6	4.0	42	5.6	MX3-015-062136-806-K
1500	375	2250	100	68	136.5	146.5	M6	4.4	46	5.1	MX3-015-068136-107-K
1500	375	2250	120	74	136.5	146.5	M6	4.8	51	4.7	MX3-015-074136-127-K
1500	375	2250	150	81	136.5	146.5	M6	5.3	55	4.3	MX3-015-081136-157-K
1500	375	2250	180	76	171.5	181.5	M6	3.9	41	5.7	MX3-015-076171-187-K
1500	375	2250	200	80	171.5	181.5	M6	4.1	43	5.5	MX3-015-080171-207-K
1500	375	2250	250	88	171.5	181.5	M6	4.5	48	5.0	MX3-015-088171-257-K
1500	375	2250	300	96	171.5	181.5	M6	5.0	52	4.5	MX3-015-096171-307-K
1500	375	2250	350	97	186.5	196.5	M6	4.6	48	4.9	MX3-015-097186-357-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



1800VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
1800	400	2500	30	47	136.5	146.5	M6	3.7	39	6.7	MX3-018-047136-306-K
1800	400	2500	35	50	136.5	146.5	M6	4.0	42	6.3	MX3-018-050136-356-K
1800	400	2500	40	52	136.5	146.5	M6	4.1	43	6.1	MX3-018-052136-406-K
1800	400	2500	50	57	136.5	146.5	M6	4.5	47	5.5	MX3-018-057136-506-K
1800	400	2500	60	62	136.5	146.5	M6	4.9	52	5.1	MX3-018-062136-606-K
1800	400	2500	70	66	136.5	146.5	M6	5.2	55	4.8	MX3-018-066136-706-K
1800	400	2500	80	70	136.5	146.5	M6	5.5	58	4.5	MX3-018-070136-806-K
1800	400	2500	100	77	136.5	146.5	M6	6.1	64	4.1	MX3-018-077136-107-K
1800	400	2500	120	83	136.5	146.5	M6	6.6	69	3.8	MX3-018-083136-127-K
1800	400	2500	150	79	171.5	181.5	M6	5.0	52	5.0	MX3-018-079171-157-K
1800	400	2500	180	86	171.5	181.5	M6	5.4	57	4.6	MX3-018-086171-187-K
1800	400	2500	200	90	171.5	181.5	M6	5.7	60	4.4	MX3-018-090171-207-K
1800	400	2500	250	99	171.5	181.5	M6	6.2	66	4.0	MX3-018-099171-257-K
1800	400	2500	300	108	171.5	181.5	M6	6.8	72	3.7	MX3-018-108171-307-K
1800	400	2500	350	110	186.5	196.5	M6	6.4	67	3.9	MX3-018-110186-357-K
1800	400	2500	400	117	186.5	196.5	M6	6.8	71	3.7	MX3-018-117186-407-K
1800	400	2500	450	124	186.5	196.5	M6	7.2	76	3.5	MX3-018-124186-457-K

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

- (1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.
- (2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.
- (3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

## HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



2000VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
2000	500	3000	25	48	136.5	146.5	M6	4.3	45	7.0	MX3-020-048136-256-K
2000	500	3000	30	51	136.5	146.5	M6	4.6	48	6.6	MX3-020-051136-306-K
2000	500	3000	35	54	136.5	146.5	M6	4.8	51	6.2	MX3-020-054136-356-K
2000	500	3000	40	57	136.5	146.5	M6	5.1	54	5.9	MX3-020-057136-406-K
2000	500	3000	50	63	136.5	146.5	M6	5.6	59	5.3	MX3-020-063136-506-K
2000	500	3000	60	68	136.5	146.5	M6	6.1	64	4.9	MX3-020-068136-606-K
2000	500	3000	70	73	136.5	146.5	M6	6.5	69	4.6	MX3-020-073136-706-K
2000	500	3000	80	77	136.5	146.5	M6	6.9	72	4.4	MX3-020-077136-806-K
2000	500	3000	100	85	136.5	146.5	M6	7.6	80	3.9	MX3-020-085136-107-K
2000	500	3000	120	79	171.5	181.5	M6	5.6	59	5.3	MX3-020-079171-127-K
2000	500	3000	150	88	171.5	181.5	M6	6.3	66	4.8	MX3-020-088171-157-K
2000	500	3000	180	95	171.5	181.5	M6	6.8	71	4.4	MX3-020-095171-187-K
2000	500	3000	200	100	171.5	181.5	M6	7.1	75	4.2	MX3-020-100171-207-K
2000	500	3000	250	105	186.5	196.5	M6	6.9	72	4.4	MX3-020-105186-257-K
2000	500	3000	300	114	186.5	196.5	M6	7.5	78	4.0	MX3-020-114186-307-K
2000	500	3000	350	123	186.5	196.5	M6	8.0	85	3.7	MX3-020-123186-357-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



2200VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
2200	550	3100	20	48	136.5	146.5	M6	4.8	50	6.5	MX3-022-048136-206-K
2200	550	3100	25	52	136.5	146.5	M6	5.2	55	6.0	MX3-022-052136-256-K
2200	550	3100	30	56	136.5	146.5	M6	5.6	59	5.5	MX3-022-056136-306-K
2200	550	3100	35	59	136.5	146.5	M6	5.9	62	5.3	MX3-022-059136-356-K
2200	550	3100	40	63	136.5	146.5	M6	6.3	66	4.9	MX3-022-063136-406-K
2200	550	3100	50	69	136.5	146.5	M6	6.9	73	4.5	MX3-022-069136-506-K
2200	550	3100	60	75	136.5	146.5	M6	7.5	79	4.1	MX3-022-075136-606-K
2200	550	3100	70	80	136.5	146.5	M6	8.0	84	3.9	MX3-022-080136-706-K
2200	550	3100	80	85	136.5	146.5	M6	8.5	89	3.6	MX3-022-085136-806-K
2200	550	3100	100	81	136.5	146.5	M6	8.1	85	3.8	MX3-022-081136-107-K
2200	550	3100	120	87	171.5	181.5	M6	6.9	73	4.5	MX3-022-087171-127-K
2200	550	3100	150	97	171.5	181.5	M6	7.7	81	4.0	MX3-022-097171-157-K
2200	550	3100	180	100	171.5	181.5	M6	8.0	84	3.9	MX3-022-100171-187-K
2200	550	3100	200	105	186.5	196.5	M6	7.7	81	4.0	MX3-022-105186-207-K
2200	550	3100	250	116	186.5	196.5	M6	8.5	89	3.7	MX3-022-116186-257-K
2200	550	3100	300	127	186.5	196.5	M6	9.3	98	3.3	MX3-022-127186-307-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



2600VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
2600	650	3900	15	49	136.5	146.5	M6	6.1	64	6.4	MX3-026-049136-156-K
2600	650	3900	18	53	136.5	146.5	M6	6.6	69	5.9	MX3-026-053136-186-K
2600	650	3900	20	55	136.5	146.5	M6	6.8	72	5.7	MX3-026-055136-206-K
2600	650	3900	25	60	136.5	146.5	M6	7.4	78	5.3	MX3-026-060136-256-K
2600	650	3900	30	65	136.5	146.5	M6	8.0	85	4.8	MX3-026-065136-306-K
2600	650	3900	35	69	136.5	146.5	M6	8.5	90	4.6	MX3-026-069136-356-K
2600	650	3900	40	74	136.5	146.5	M6	9.2	96	4.3	MX3-026-074136-406-K
2600	650	3900	50	81	136.5	146.5	M6	10.0	106	3.9	MX3-026-081136-506-K
2600	650	3900	60	88	136.5	146.5	M6	10.9	115	3.6	MX3-026-088136-606-K
2600	650	3900	70	74	196.5	206.5	M6	6.4	67	6.1	MX3-026-074196-706-K
2600	650	3900	80	79	196.5	206.5	M6	6.8	72	5.7	MX3-026-079196-806-K
2600	650	3900	100	87	196.5	206.5	M6	7.5	79	5.2	MX3-026-087196-107-K
2600	650	3900	120	95	196.5	206.5	M6	8.2	86	4.8	MX3-026-095196-127-K
2600	650	3900	150	105	196.5	206.5	M6	9.0	95	4.3	MX3-026-105196-157-K
2600	650	3900	180	114	196.5	206.5	M6	9.8	103	4.0	MX3-026-114196-187-K
2600	650	3900	200	120	196.5	206.5	M6	10.3	109	3.8	MX3-026-120196-207-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



3000VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
3000	750	4500	12	50	145.5	155.5	M6	7.2	76	6.2	MX3-030-050145-126-K
3000	750	4500	15	54	145.5	155.5	M6	7.8	82	5.8	MX3-030-054145-156-K
3000	750	4500	18	59	145.5	155.5	M6	8.5	90	5.3	MX3-030-059145-186-K
3000	750	4500	20	61	145.5	155.5	M6	8.8	93	5.1	MX3-030-061145-206-K
3000	750	4500	25	67	145.5	155.5	M6	9.7	102	4.7	MX3-030-067145-256-K
3000	750	4500	30	73	145.5	155.5	M6	10.5	111	4.3	MX3-030-073145-306-K
3000	750	4500	35	78	145.5	155.5	M6	11.3	119	4.0	MX3-030-078145-356-K
3000	750	4500	40	83	145.5	155.5	M6	12.0	126	3.8	MX3-030-083145-406-K
3000	750	4500	50	91	145.5	155.5	M6	13.1	138	3.4	MX3-030-091145-506-K
3000	750	4500	60	82	190.5	200.5	M6	9.0	95	5.0	MX3-030-082190-606-K
3000	750	4500	70	88	190.5	200.5	M6	9.7	102	4.6	MX3-030-088190-706-K
3000	750	4500	80	94	190.5	200.5	M6	10.4	109	4.3	MX3-030-094190-806-K
3000	750	4500	100	104	190.5	200.5	M6	11.5	121	3.9	MX3-030-104190-107-K
3000	750	4500	120	113	190.5	200.5	M6	12.5	131	3.6	MX3-030-113190-127-K
3000	750	4500	150	126	190.5	200.5	M6	13.9	146	3.2	MX3-030-126190-157-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

## HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



3200VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
3200	800	4700	8	48	145.5	155.5	M6	6.3	67	7.4	MX3-032-048145-805-K
3200	800	4700	10	52	145.5	155.5	M6	6.9	72	6.8	MX3-032-052145-106-K
3200	800	4700	12	56	145.5	155.5	M6	7.4	78	6.4	MX3-032-056145-126-K
3200	800	4700	15	62	145.5	155.5	M6	8.2	86	5.7	MX3-032-062145-156-K
3200	800	4700	18	66	145.5	155.5	M6	8.7	92	5.4	MX3-032-066145-186-K
3200	800	4700	20	70	145.5	155.5	M6	9.2	97	5.1	MX3-032-070145-206-K
3200	800	4700	25	77	145.5	155.5	M6	10.2	107	4.6	MX3-032-077145-256-K
3200	800	4700	30	83	145.5	155.5	M6	11.0	115	4.3	MX3-032-083145-306-K
3200	800	4700	35	89	145.5	155.5	M6	11.7	124	4.0	MX3-032-089145-356-K
3200	800	4700	40	78	190.5	200.5	M6	7.9	83	6.0	MX3-032-078190-406-K
3200	800	4700	50	87	190.5	200.5	M6	8.8	92	5.4	MX3-032-087190-506-K
3200	800	4700	60	94	190.5	200.5	M6	9.5	100	5.0	MX3-032-094190-606-K
3200	800	4700	70	101	190.5	200.5	M6	10.2	107	4.6	MX3-032-101190-706-K
3200	800	4700	80	107	190.5	200.5	M6	10.8	114	4.4	MX3-032-107190-806-K
3200	800	4700	100	119	190.5	200.5	M6	12.0	126	3.9	MX3-032-119190-107-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

# MX3

## HIGH VOLTAGE DC CAPACITORS

HIGH DENSITY, LOW INDUCTANCE DC-LINK CAPACITORS TAPE WRAP  
CUSTOM DESIGN AVAILABLE.



3600VDC, RATED VOLTAGE											
VOLTAGE [V]			CAP <sup>(3)</sup>	DIMENSIONS[mm]				CURRENT		ESR (100kHz)	ORDERING CODE
VDC	V -RIPPLE	V-PEAK <sup>(1)</sup>	μF	D	L	T - T	TER- MINAL	I-PEAK <sup>(2)</sup> [kA]	I-RMS [A]	mΩ	
3600	900	5400	7	47	145.5	155.5	M6	7.0	73	7.7	MX3-036-047145-705-K
3600	900	5400	8	50	145.5	155.5	M6	7.4	78	7.3	MX3-036-050145-805-K
3600	900	5400	10	55	145.5	155.5	M6	8.2	86	6.6	MX3-036-055145-106-K
3600	900	5400	12	59	145.5	155.5	M6	8.8	92	6.2	MX3-036-059145-126-K
3600	900	5400	15	66	145.5	155.5	M6	9.8	103	5.5	MX3-036-066145-156-K
3600	900	5400	18	72	145.5	155.5	M6	10.7	113	5.1	MX3-036-072145-186-K
3600	900	5400	20	75	145.5	155.5	M6	11.1	117	4.9	MX3-036-075145-206-K
3600	900	5400	25	83	145.5	155.5	M6	12.3	130	4.4	MX3-036-083145-256-K
3600	900	5400	30	91	145.5	155.5	M6	13.5	142	4.0	MX3-036-091145-306-K
3600	900	5400	35	80	190.5	200.5	M6	9.1	95	6.0	MX3-036-080190-356-K
3600	900	5400	40	85	190.5	200.5	M6	9.6	101	5.6	MX3-036-085190-406-K
3600	900	5400	50	95	190.5	200.5	M6	10.8	113	5.0	MX3-036-095190-506-K
3600	900	5400	60	103	190.5	200.5	M6	11.7	123	4.6	MX3-036-103190-606-K
3600	900	5400	70	111	190.5	200.5	M6	12.6	132	4.3	MX3-036-111190-706-K
3600	900	5400	80	119	190.5	200.5	M6	13.5	142	4.0	MX3-036-119190-806-K

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

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00MS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00MS TYP.

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

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

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