

BX5

HIGH VOLTAGE DC CAPACITORS

HIGH VOLTAGE DOUBLE SIDE METALLIZED POLYPROPYLENE
IN PLASTIC CASE AND EPOXY FILLING
CUSTOM DESIGN AVAILABLE.



MAIN CHARACTERISTICS:

- SELF-HEALING METALLIZED POLYPROPYLENE FILM
- PLASTIC CASE AND EPOXY FILLING
- VERY LOW DISSIPATION FACTOR

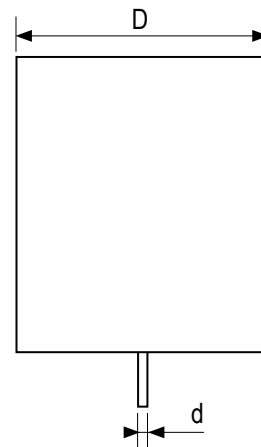
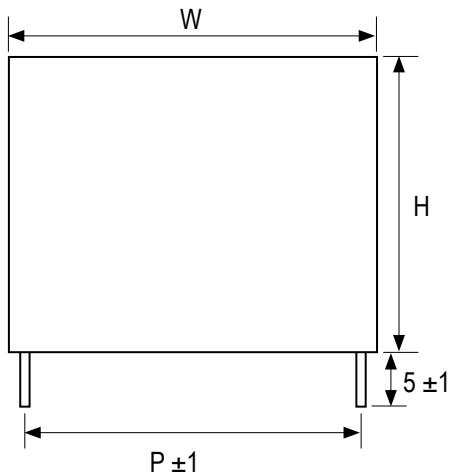


MAIN APPLICATIONS:

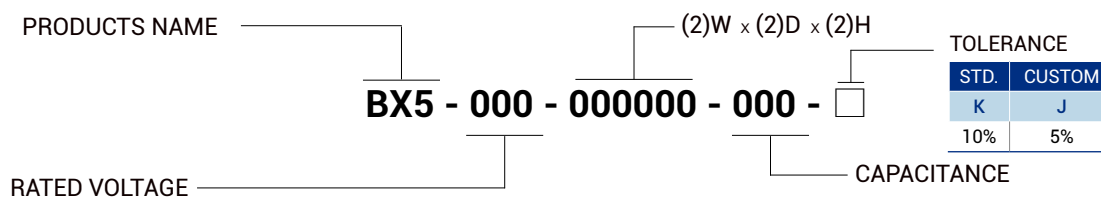
- HIGH VOLTAGE, MEDIUM PULSE APPLICATIONS
- ENERGY CONVERSION AND CONTROL IN POWER SEMICONDUCTOR CIRCUITS
- LIGHTING , TV AND MONITOR
- SMPS, MOTOR SPEED CONTROLS



DIEMENSIONS



ORDERING INFORMATION



All of specifications Subject to change without prenotice.

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SPECIFICATIONS

DC VOLTAGE RANGE	400 ~ 3000 V
CAPACITANCE RANGE	UP TO 25 μ F
CAPACITANCE TOLERANCE (+25°C)	STANDARD: \pm 10% ON REQUEST \pm 5%
EQUIVALENT SERIES RESISTANCE (ESR)	< 4.5 m Ω
MAXIMUM VOLTAGE RATE OF RISE(dV/dT)	\leq 2700 V/ μ s
TERMINALS	TINNED COPPER WIRE
VOLTAGE TEST	RATED VOLTAGE X 1.2 TIMES FOR 10 SECS
WORKING & STORAGE TEMPERATURE	-55 / +85 °C
FILLING	FLAME RETARDANT EPOXY RESIN FILLING
PROTECTIVE MECHANISM	SELF HEALING
SQUARE PLASTIC CASE	FLAME RETARDANT PLASTIC CASE(UL94V-0)
LIFE EXPECTANCY	100,000 HOURS TYP.
SOLDERING HEAT TEST	TEMPERATURE = 260 \pm 5°C FOR 10SECS
DISSIPATION FACTOR	DF VALUE \leq 0.05 % , MEASURED AT 25 \pm 5°C, 1 kHz.
INSULATION RESISTANCE (RINS)	C \leq 0.33 μ F \geq 100,000M Ω , C>0.33 μ F \geq 30,000 SEC (M Ω X μ F) AT 25 \pm °C, AFTER 1 MINUTE OF ELECTRIFICATION AT 100VDC

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400VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
400	560	1	15	24	32	27.5	0.8	20	250.0	BX5-040-152432-105-K
400	560	1.2	15	24	32	27.5	0.8	20	300.0	BX5-040-152432-125-K
400	560	1.5	18	33	32	27.5	0.8	20	375.0	BX5-040-183332-155-K
400	560	2	18	33	32	27.5	0.8	20	500.0	BX5-040-183332-205-K
400	560	2	17	28	42.5	37.5	1	18	500.0	BX5-040-172842-205-K
400	560	2.2	17	28	42.5	37.5	1	18	550.0	BX5-040-172842-225-K
400	560	2.5	17	28	42.5	37.5	1	18	625.0	BX5-040-172842-255-K
400	560	3	20	39.5	41.5	37.5	1	18	750.0	BX5-040-203941-305-K
400	560	3.3	20	39.5	41.5	37.5	1	18	429.0	BX5-040-203941-335-K
400	560	4	20	39.5	41.5	37.5	1	18	520.0	BX5-040-203941-405-K
400	560	4.7	20	39.5	41.5	37.5	1	18	611.0	BX5-040-203941-475-K
400	560	5	34	36	45	37.5	1	18	650.0	BX5-040-343645-505-K
400	560	5.5	34	36	45	37.5	1	18	715.0	BX5-040-343645-555-K
400	560	6	34	36	45	37.5	1	18	780.0	BX5-040-343645-605-K
400	560	6.8	34	36	45	37.5	1	18	612.0	BX5-040-343645-685-K
400	560	7.5	34	36	45	37.5	1	18	675.0	BX5-040-343645-755-K
400	560	8	34	45	45	37.5	1	18	720.0	BX5-040-344545-805-K
400	560	9	34	45	45	37.5	1	18	810.0	BX5-040-344545-905-K
400	560	10	42	47	45	37.5	1	18	900.0	BX5-040-424745-106-K
400	560	12	42	47	45	37.5	1	18	1080.0	BX5-040-424745-126-K
400	560	15	35	50	57	52.5	1.2	16	1350.0	BX5-040-355057-156-K
400	560	20	38	54	57	52.5	1.2	16	1800.0	BX5-040-385457-206-K
400	560	22	50	55	57	52.5	1.2	16	990.0	BX5-040-505557-226-K
400	560	25	50	55	57	52.5	1.2	16	1125.0	BX5-040-505557-256-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

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HIGH VOLTAGE DC CAPACITORS

HIGH VOLTAGE DOUBLE SIDE METALLIZED POLYPROPYLENE
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630VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
630	880	0.47	15	24	32	27.5	0.8	20	423.0	BX5-063-152432-474-K
630	880	0.68	15	24	32	27.5	0.8	20	612.0	BX5-063-152432-684-K
630	880	1	18	33	32	27.5	0.8	20	500.0	BX5-063-183332-105-K
630	880	1.2	18	33	32	27.5	0.8	20	600.0	BX5-063-183332-125-K
630	880	1.2	17	28	42.5	37.5	1	18	600.0	BX5-063-172842-125-K
630	880	1.5	17	28	42.5	37.5	1	18	750.0	BX5-063-172842-155-K
630	880	2	20	39.5	41.5	37.5	1	18	1000.0	BX5-063-203941-205-K
630	880	2.2	20	39.5	41.5	37.5	1	18	1100.0	BX5-063-203941-225-K
630	880	2.5	20	39.5	41.5	37.5	1	18	1250.0	BX5-063-203941-255-K
630	880	3	34	36	45	37.5	1	18	1500.0	BX5-063-343645-305-K
630	880	3.3	34	36	45	37.5	1	18	627.0	BX5-063-343645-335-K
630	880	4	34	36	45	37.5	1	18	760.0	BX5-063-343645-405-K
630	880	4.7	34	45	45	37.5	1	18	893.0	BX5-063-344545-475-K
630	880	5	34	45	45	37.5	1	18	950.0	BX5-063-344545-505-K
630	880	5.5	34	45	45	37.5	1	18	1045.0	BX5-063-344545-555-K
630	880	6	34	45	45	37.5	1	18	1140.0	BX5-063-344545-605-K
630	880	6.8	42	47	45	37.5	1	18	1088.0	BX5-063-424745-685-K
630	880	7.5	35	50	57	52.5	1.2	16	1200.0	BX5-063-355057-755-K
630	880	8	35	50	57	52.5	1.2	16	1280.0	BX5-063-355057-805-K
630	880	9	35	50	57	52.5	1.2	16	1440.0	BX5-063-355057-905-K
630	880	10	35	50	57	52.5	1.2	16	1600.0	BX5-063-355057-106-K
630	880	12	38	54	57	52.5	1.2	16	1920.0	BX5-063-385457-126-K
630	880	15	50	55	57	52.5	1.2	16	2400.0	BX5-063-505557-156-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

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850VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
850	1200	0.22	15	24	32	27.5	0.8	20	396.0	BX5-085-152432-224-K
850	1200	0.33	15	24	32	27.5	0.8	20	379.5	BX5-085-152432-334-K
850	1200	0.47	18	33	32	27.5	0.8	20	540.5	BX5-085-183332-474-K
850	1200	0.68	18	33	32	27.5	0.8	20	782.0	BX5-085-183332-684-K
850	1200	0.68	17	28	42.5	37.5	1	18	782.0	BX5-085-172842-684-K
850	1200	1	20	39.5	41.5	37.5	1	18	500.0	BX5-085-203941-105-K
850	1200	1.2	20	39.5	41.5	37.5	1	18	600.0	BX5-085-203941-125-K
850	1200	1.5	20	39.5	41.5	37.5	1	18	750.0	BX5-085-203941-155-K
850	1200	2	34	36	45	37.5	1	18	1000.0	BX5-085-343645-205-K
850	1200	2.2	34	36	45	37.5	1	18	1100.0	BX5-085-343645-225-K
850	1200	2.5	34	36	45	37.5	1	18	1250.0	BX5-085-343645-255-K
850	1200	3	34	45	45	37.5	1	18	1500.0	BX5-085-344545-305-K
850	1200	3.3	34	45	45	37.5	1	18	759.0	BX5-085-344545-335-K
850	1200	4	42	47	45	37.5	1	18	920.0	BX5-085-424745-405-K
850	1200	4.7	35	50	57	52.5	1.2	16	1081.0	BX5-085-355057-475-K
850	1200	5	35	50	57	52.5	1.2	16	1150.0	BX5-085-355057-505-K
850	1200	5.5	35	50	57	52.5	1.2	16	1265.0	BX5-085-355057-555-K
850	1200	6	35	50	57	52.5	1.2	16	1380.0	BX5-085-355057-605-K
850	1200	6.8	38	54	57	52.5	1.2	16	1292.0	BX5-085-385457-685-K
850	1200	7.5	38	54	57	52.5	1.2	16	1425.0	BX5-085-385457-755-K
850	1200	8	50	55	57	52.5	1.2	16	1520.0	BX5-085-505557-805-K
850	1200	9	50	55	57	52.5	1.2	16	1710.0	BX5-085-505557-905-K

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1000VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
1000	1400	0.15	15	24	32	27.5	0.8	20	270.0	BX5-100-152432-154-K
1000	1400	0.22	15	24	32	27.5	0.8	20	396.0	BX5-100-152432-224-K
1000	1400	0.33	18	33	32	27.5	0.8	20	379.5	BX5-100-183332-334-K
1000	1400	0.47	18	33	32	27.5	0.8	20	540.5	BX5-100-183332-474-K
1000	1400	0.47	17	28	42.5	37.5	1	18	540.5	BX5-100-172842-474-K
1000	1400	0.68	20	39.5	41.5	37.5	1	18	782.0	BX5-100-203941-684-K
1000	1400	1	20	39.5	41.5	37.5	1	18	500.0	BX5-100-203941-105-K
1000	1400	1.2	34	36	45	37.5	1	18	600.0	BX5-100-343645-125-K
1000	1400	1.5	34	36	45	37.5	1	18	750.0	BX5-100-343645-155-K
1000	1400	2	34	45	45	37.5	1	18	1000.0	BX5-100-344545-205-K
1000	1400	2.2	34	45	45	37.5	1	18	1100.0	BX5-100-344545-225-K
1000	1400	2.5	42	47	45	37.5	1	18	1250.0	BX5-100-424745-255-K
1000	1400	3	42	47	45	37.5	1	18	1500.0	BX5-100-424745-305-K
1000	1400	3.3	35	50	57	52.5	1.2	16	759.0	BX5-100-355057-335-K
1000	1400	4	35	50	57	52.5	1.2	16	920.0	BX5-100-355057-405-K
1000	1400	4.7	38	54	57	52.5	1.2	16	1081.0	BX5-100-385457-475-K
1000	1400	5	38	54	57	52.5	1.2	16	1150.0	BX5-100-385457-505-K
1000	1400	5.5	50	55	57	52.5	1.2	16	1265.0	BX5-100-505557-555-K
1000	1400	6	50	55	57	52.5	1.2	16	1380.0	BX5-100-505557-605-K

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(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

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1250VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
1250	1750	0.1	15	24	32	27.5	0.8	20	180.0	BX5-125-152432-104-K
1250	1750	0.15	15	24	32	27.5	0.8	20	270.0	BX5-125-152432-154-K
1250	1750	0.22	18	33	32	27.5	0.8	20	396.0	BX5-125-183332-224-K
1250	1750	0.33	18	33	32	27.5	0.8	20	379.5	BX5-125-183332-334-K
1250	1750	0.47	20	39.5	41.5	37.5	1	18	540.5	BX5-125-203941-474-K
1250	1750	0.68	20	39.5	41.5	37.5	1	18	782.0	BX5-125-203941-684-K
1250	1750	1	34	36	45	37.5	1	18	500.0	BX5-125-343645-105-K
1250	1750	1.2	34	45	45	37.5	1	18	600.0	BX5-125-344545-125-K
1250	1750	1.5	34	45	45	37.5	1	18	750.0	BX5-125-344545-155-K
1250	1750	2	42	47	45	37.5	1	18	1000.0	BX5-125-424745-205-K
1250	1750	2.2	35	50	57	52.5	1.2	16	1100.0	BX5-125-355057-225-K
1250	1750	2.5	35	50	57	52.5	1.2	16	1250.0	BX5-125-355057-255-K
1250	1750	3	38	54	57	52.5	1.2	16	1500.0	BX5-125-385457-305-K
1250	1750	3.3	38	54	57	52.5	1.2	16	759.0	BX5-125-385457-335-K
1250	1750	4	50	55	57	52.5	1.2	16	920.0	BX5-125-505557-405-K

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

(3) MEASURED AT 1KHZ ±20HZ AT 25°C

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1600VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
1600	2250	0.068	15	24	32	27.5	0.8	20	122.4	BX5-160-152432-683-K
1600	2250	0.1	15	24	32	27.5	0.8	20	180.0	BX5-160-152432-104-K
1600	2250	0.15	15	24	32	27.5	0.8	20	270.0	BX5-160-152432-154-K
1600	2250	0.22	18	33	32	27.5	0.8	20	396.0	BX5-160-183332-224-K
1600	2250	0.33	17	28	42.5	37.5	1	18	379.5	BX5-160-172842-334-K
1600	2250	0.47	20	39.5	41.5	37.5	1	18	540.5	BX5-160-203941-474-K
1600	2250	0.68	34	36	45	37.5	1	18	782.0	BX5-160-343645-684-K
1600	2250	1	34	45	45	37.5	1	18	650.0	BX5-160-344545-105-K
1600	2250	1.2	42	47	45	37.5	1	18	780.0	BX5-160-424745-125-K
1600	2250	1.5	42	47	45	37.5	1	18	975.0	BX5-160-424745-155-K
1600	2250	2	35	50	57	52.5	1.2	16	1300.0	BX5-160-355057-205-K
1600	2250	2.2	38	54	57	52.5	1.2	16	1430.0	BX5-160-385457-225-K
1600	2250	2.5	38	54	57	52.5	1.2	16	1625.0	BX5-160-385457-255-K
1600	2250	3	50	55	57	52.5	1.2	16	1950.0	BX5-160-505557-305-K
1600	2250	3.3	50	55	57	52.5	1.2	16	1089.0	BX5-160-505557-335-K

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(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

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2000VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
2000	2800	0.047	15	24	32	27.5	0.8	20	126.9	BX5-200-152432-473-K
2000	2800	0.068	15	24	32	27.5	0.8	20	183.6	BX5-200-152432-683-K
2000	2800	0.1	15	24	32	27.5	0.8	20	180.0	BX5-200-152432-104-K
2000	2800	0.15	18	33	32	27.5	0.8	20	270.0	BX5-200-183332-154-K
2000	2800	0.22	17	28	42.5	37.5	1	18	396.0	BX5-200-172842-224-K
2000	2800	0.33	20	39.5	41.5	37.5	1	18	379.5	BX5-200-203941-334-K
2000	2800	0.47	34	36	45	37.5	1	18	540.5	BX5-200-343645-474-K
2000	2800	0.68	34	45	45	37.5	1	18	782.0	BX5-200-344545-684-K
2000	2800	1	42	47	45	37.5	1	18	650.0	BX5-200-424745-105-K
2000	2800	1.2	42	47	45	37.5	1	18	780.0	BX5-200-424745-125-K
2000	2800	1.5	35	50	57	52.5	1.2	16	975.0	BX5-200-355057-155-K
2000	2800	2	38	54	57	52.5	1.2	16	1300.0	BX5-200-385457-205-K
2000	2800	2.2	50	55	57	52.5	1.2	16	1430.0	BX5-200-505557-225-K
2000	2800	2.5	50	55	57	52.5	1.2	16	1625.0	BX5-200-505557-255-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

BX5

HIGH VOLTAGE DC CAPACITORS

HIGH VOLTAGE DOUBLE SIDE METALLIZED POLYPROPYLENE
IN PLASTIC CASE AND EPOXY FILLING
CUSTOM DESIGN AVAILABLE.



2500VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
2500	3500	0.033	15	24	32	27.5	0.8	20	89.1	BX5-250-152432-333-K
2500	3500	0.047	15	24	32	27.5	0.8	20	126.9	BX5-250-152432-473-K
2500	3500	0.068	15	24	32	27.5	0.8	20	183.6	BX5-250-152432-683-K
2500	3500	0.1	18	33	32	27.5	0.8	20	180.0	BX5-250-183332-104-K
2500	3500	0.15	18	33	32	27.5	0.8	20	270.0	BX5-250-183332-154-K
2500	3500	0.22	20	39.5	41.5	37.5	1	18	396.0	BX5-250-203941-224-K
2500	3500	0.33	20	39.5	41.5	37.5	1	18	379.5	BX5-250-203941-334-K
2500	3500	0.47	34	45	45	37.5	1	18	540.5	BX5-250-344545-474-K
2500	3500	0.68	42	47	45	37.5	1	18	782.0	BX5-250-424745-684-K
2500	3500	1	35	50	57	52.5	1.2	16	650.0	BX5-250-355057-105-K
2500	3500	1.2	35	50	57	52.5	1.2	16	780.0	BX5-250-355057-125-K
2500	3500	1.5	38	54	57	52.5	1.2	16	975.0	BX5-250-385457-155-K
2500	3500	2	50	55	57	52.5	1.2	16	1300.0	BX5-250-505557-205-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

BX5

HIGH VOLTAGE DC CAPACITORS

HIGH VOLTAGE DOUBLE SIDE METALLIZED POLYPROPYLENE
IN PLASTIC CASE AND EPOXY FILLING
CUSTOM DESIGN AVAILABLE.



3000VDC, RATED VOLTAGE										
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]					LEAD	CURRENT	ORDERING CODE
VDC	V-PEAK ⁽¹⁾	μF	W	H	I	P	d	AWG	I-PEAK ⁽²⁾ [kA]	
3000	4200	0.022	15	24	32	27.5	0.8	20	59.4	BX5-300-152432-223-K
3000	4200	0.033	15	24	32	27.5	0.8	20	89.1	BX5-300-152432-333-K
3000	4200	0.047	15	24	32	27.5	0.8	20	126.9	BX5-300-152432-473-K
3000	4200	0.068	18	33	32	27.5	0.8	20	183.6	BX5-300-183332-683-K
3000	4200	0.1	18	33	32	27.5	0.8	20	180.0	BX5-300-183332-104-K
3000	4200	0.15	20	39.5	41.5	37.5	1	18	270.0	BX5-300-203941-154-K
3000	4200	0.22	20	39.5	41.5	37.5	1	18	396.0	BX5-300-203941-224-K
3000	4200	0.33	34	45	45	37.5	1	18	379.5	BX5-300-344545-334-K
3000	4200	0.47	42	47	45	37.5	1	18	540.5	BX5-300-424745-474-K
3000	4200	0.68	35	50	57	52.5	1.2	16	782.0	BX5-300-355057-684-K
3000	4200	1	38	54	57	52.5	1.2	16	500.0	BX5-300-385457-105-K
3000	4200	1.2	50	55	57	52.5	1.2	16	600.0	BX5-300-505557-125-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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