

BX7

HIGH VOLTAGE DC CAPACITORS

プラスチックケースとエポキシ樹脂充填剤使用の
高電流高電流アルミ箔フィルムコンデンサ
カスタム設計可能



主な特性

- 高圧パルス義務
- プラスチックケースとエポキシ充填剤を使用
- とても低い誘電率

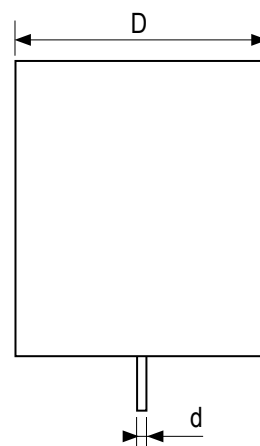
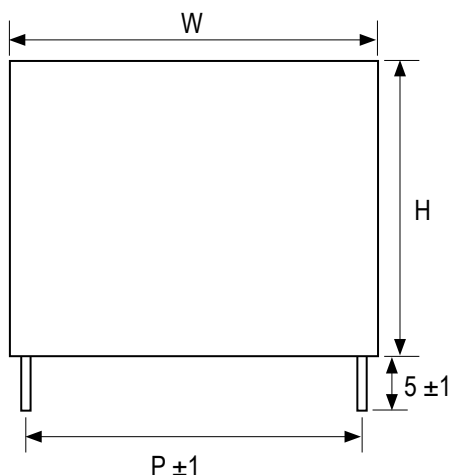


主なアプリケーション

- 高圧パルスアプリケーション
- 電力の半導体回路のエネルギー変換と制御
- SMPSおよびモータ速度制御



寸法[MM]



発注情報

PRODUCTS NAME

BX7 - 000 - 000000 - 000 -

(2)W x (2)D x (2)H

TOLERANCE

STD.	CUSTOM
K	J
10%	5%

RATED VOLTAGE

CAPACITANCE

All of specifications Subject to change without prenotice.

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仕様

DC電圧範囲	400 ~ 2000 V
静電容量範囲	最大 6.8 μ F
静電容量公差 (AT 1kHz)	標準: $\pm 10\%$ 要望時は $\pm 5\%$
等価直列抵抗(ESR)	$< 4.5 \text{ m}\Omega$
最大電圧上昇率(dV/dT)	$\leq 9000 \text{ V}/\mu\text{s}$
端子	スズメッキ銅線
電圧試験	定格電圧X 1.2倍で10秒間
作業および保管温度	$-55 / +85 ^\circ\text{C}$
充填	難燃性エポキシ樹脂で充填
保護メカニズム	自己回復機能
正方形のプラスチックケース	難燃性プラスチックケース (UL94V-0)
期待寿命	100,000 HOURS TYP.
はんだ耐熱性試験	温度 = $260 \pm 5^\circ\text{C}$ で10秒間
誘電係数	DF値 $\leq 0.05\%$, $25 \pm 5^\circ\text{C}$ で測定、1 kHz.
絶縁抵抗(RINS)	$C \leq 0.33 \mu\text{F} \geq 100,000 \text{ M}\Omega$, $C > 0.33 \mu\text{F} \geq 30,000 \text{ SEC (M}\Omega \times \mu\text{F) AT } 25 \pm ^\circ\text{C}$, 100VDCで1分間の電化後

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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	0.1	15	24	32	27.5	0.8	20	600.0	BX7-040-152432-104-K
400	560	0.15	15	24	32	27.5	0.8	20	900.0	BX7-040-152432-154-K
400	560	0.22	15	24	32	27.5	0.8	20	1320.0	BX7-040-152432-224-K
400	560	0.33	18	33	32	27.5	0.8	20	990.0	BX7-040-183332-334-K
400	560	0.47	18	33	32	27.5	0.8	20	1410.0	BX7-040-183332-474-K
400	560	0.68	20	39.5	41.5	37.5	1	18	2040.0	BX7-040-203941-684-K
400	560	1	20	39.5	41.5	37.5	1	18	1000.0	BX7-040-203941-105-K
400	560	1.2	20	39.5	41.5	37.5	1	18	1200.0	BX7-040-203941-125-K
400	560	1.5	34	36	45	37.5	1	18	1500.0	BX7-040-343645-155-K
400	560	2	34	45	45	37.5	1	18	2000.0	BX7-040-344545-205-K
400	560	2.2	34	45	45	37.5	1	18	2200.0	BX7-040-344545-225-K
400	560	2.5	34	45	45	37.5	1	18	2500.0	BX7-040-344545-255-K
400	560	3	42	47	45	37.5	1	18	3000.0	BX7-040-424745-305-K
400	560	3.3	42	47	45	37.5	1	18	3300.0	BX7-040-424745-335-K
400	560	4	35	50	57	52.5	1.2	16	4000.0	BX7-040-355057-405-K
400	560	4.7	35	50	57	52.5	1.2	16	4700.0	BX7-040-355057-475-K
400	560	5	35	50	57	52.5	1.2	16	3000.0	BX7-040-355057-505-K
400	560	5.5	38	54	57	52.5	1.2	16	3300.0	BX7-040-385457-555-K
400	560	6	38	54	57	52.5	1.2	16	3600.0	BX7-040-385457-605-K
400	560	6.8	50	55	57	52.5	1.2	16	4080.0	BX7-040-505557-685-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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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	0.1	15	24	32	27.5	0.8	20	900.0	BX7-063-152432-104-K
630	880	0.15	15	24	32	27.5	0.8	20	1350.0	BX7-063-152432-154-K
630	880	0.22	15	24	32	27.5	0.8	20	1980.0	BX7-063-152432-224-K
630	880	0.33	18	33	32	27.5	0.8	20	1650.0	BX7-063-183332-334-K
630	880	0.47	20	39.5	41.5	37.5	1	18	2350.0	BX7-063-203941-474-K
630	880	0.68	20	39.5	41.5	37.5	1	18	3400.0	BX7-063-203941-684-K
630	880	1	20	39.5	41.5	37.5	1	18	1600.0	BX7-063-203941-105-K
630	880	1.2	34	36	45	37.5	1	18	1920.0	BX7-063-343645-125-K
630	880	1.5	34	36	45	37.5	1	18	2400.0	BX7-063-343645-155-K
630	880	2	34	45	45	37.5	1	18	3200.0	BX7-063-344545-205-K
630	880	2.2	34	45	45	37.5	1	18	3520.0	BX7-063-344545-225-K
630	880	2.5	42	47	45	37.5	1	18	4000.0	BX7-063-424745-255-K
630	880	3	35	50	57	52.5	1.2	16	4800.0	BX7-063-355057-305-K
630	880	3.3	35	50	57	52.5	1.2	16	5280.0	BX7-063-355057-335-K
630	880	4	35	50	57	52.5	1.2	16	6400.0	BX7-063-355057-405-K
630	880	4.7	35	50	57	52.5	1.2	16	7520.0	BX7-063-355057-475-K
630	880	5	38	54	57	52.5	1.2	16	4000.0	BX7-063-385457-505-K
630	880	5.5	38	54	57	52.5	1.2	16	4400.0	BX7-063-385457-555-K
630	880	6	50	55	57	52.5	1.2	16	4800.0	BX7-063-505557-605-K
630	880	6.8	50	55	57	52.5	1.2	16	5440.0	BX7-063-505557-685-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	0.1	15	24	32	27.5	0.8	20	900.0	BX7-085-152432-104-K
850	1200	0.15	15	24	32	27.5	0.8	20	1350.0	BX7-085-152432-154-K
850	1200	0.22	15	24	32	27.5	0.8	20	1980.0	BX7-085-152432-224-K
850	1200	0.33	18	33	32	27.5	0.8	20	1650.0	BX7-085-183332-334-K
850	1200	0.47	20	39.5	41.5	37.5	1	18	2350.0	BX7-085-203941-474-K
850	1200	0.68	20	39.5	41.5	37.5	1	18	3400.0	BX7-085-203941-684-K
850	1200	1	20	39.5	41.5	37.5	1	18	1600.0	BX7-085-203941-105-K
850	1200	1.2	34	36	45	37.5	1	18	1920.0	BX7-085-343645-125-K
850	1200	1.5	34	36	45	37.5	1	18	2400.0	BX7-085-343645-155-K
850	1200	2	34	45	45	37.5	1	18	3200.0	BX7-085-344545-205-K
850	1200	2.2	34	45	45	37.5	1	18	3520.0	BX7-085-344545-225-K
850	1200	2.5	42	47	45	37.5	1	18	4000.0	BX7-085-424745-255-K
850	1200	3	35	50	57	52.5	1.2	16	4800.0	BX7-085-355057-305-K
850	1200	3.3	35	50	57	52.5	1.2	16	5280.0	BX7-085-355057-335-K
850	1200	4	35	50	57	52.5	1.2	16	6400.0	BX7-085-355057-405-K
850	1200	4.7	35	50	57	52.5	1.2	16	7520.0	BX7-085-355057-475-K
850	1200	5	38	54	57	52.5	1.2	16	4000.0	BX7-085-385457-505-K
850	1200	5.5	38	54	57	52.5	1.2	16	4400.0	BX7-085-385457-555-K
850	1200	6	50	55	57	52.5	1.2	16	4800.0	BX7-085-505557-605-K
850	1200	6.8	50	55	57	52.5	1.2	16	5440.0	BX7-085-505557-685-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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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	0.068	15	24	32	27.5	0.8	20	612.0	BX7-100-152432-683-K
1000	1400	0.1	15	24	32	27.5	0.8	20	900.0	BX7-100-152432-104-K
1000	1400	0.15	15	24	32	27.5	0.8	20	1350.0	BX7-100-152432-154-K
1000	1400	0.22	18	33	32	27.5	0.8	20	1980.0	BX7-100-183332-224-K
1000	1400	0.33	20	39.5	41.5	37.5	1	18	1650.0	BX7-100-203941-334-K
1000	1400	0.47	20	39.5	41.5	37.5	1	18	2350.0	BX7-100-203941-474-K
1000	1400	0.68	20	39.5	41.5	37.5	1	18	3400.0	BX7-100-203941-684-K
1000	1400	1	34	36	45	37.5	1	18	2000.0	BX7-100-343645-105-K
1000	1400	1.2	34	36	45	37.5	1	18	2400.0	BX7-100-343645-125-K
1000	1400	1.5	34	45	45	37.5	1	18	3000.0	BX7-100-344545-155-K
1000	1400	2	42	47	45	37.5	1	18	4000.0	BX7-100-424745-205-K
1000	1400	2.2	35	50	57	52.5	1.2	16	4400.0	BX7-100-355057-225-K
1000	1400	2.5	35	50	57	52.5	1.2	16	5000.0	BX7-100-355057-255-K
1000	1400	3	35	50	57	52.5	1.2	16	6000.0	BX7-100-355057-305-K
1000	1400	3.3	38	54	57	52.5	1.2	16	6600.0	BX7-100-385457-335-K
1000	1400	4	38	54	57	52.5	1.2	16	8000.0	BX7-100-385457-405-K
1000	1400	5	50	55	57	52.5	1.2	16	5000.0	BX7-100-505557-505-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	0.047	15	24	32	27.5	0.8	20	423.0	BX7-125-152432-473-K
1250	1750	0.068	15	24	32	27.5	0.8	20	612.0	BX7-125-152432-683-K
1250	1750	0.1	15	24	32	27.5	0.8	20	900.0	BX7-125-152432-104-K
1250	1750	0.15	15	24	32	27.5	0.8	20	1350.0	BX7-125-152432-154-K
1250	1750	0.22	18	33	32	27.5	0.8	20	1980.0	BX7-125-183332-224-K
1250	1750	0.33	20	39.5	41.5	37.5	1	18	1650.0	BX7-125-203941-334-K
1250	1750	0.47	20	39.5	41.5	37.5	1	18	2350.0	BX7-125-203941-474-K
1250	1750	0.68	34	36	45	37.5	1	18	3400.0	BX7-125-343645-684-K
1250	1750	1	34	45	45	37.5	1	18	2000.0	BX7-125-344545-105-K
1250	1750	1.2	34	45	45	37.5	1	18	2400.0	BX7-125-344545-125-K
1250	1750	1.5	42	47	45	37.5	1	18	3000.0	BX7-125-424745-155-K
1250	1750	2	35	50	57	52.5	1.2	16	4000.0	BX7-125-355057-205-K
1250	1750	2.2	35	50	57	52.5	1.2	16	4400.0	BX7-125-355057-225-K
1250	1750	2.5	38	54	57	52.5	1.2	16	5000.0	BX7-125-385457-255-K
1250	1750	3	38	54	57	52.5	1.2	16	6000.0	BX7-125-385457-305-K
1250	1750	3.3	50	55	57	52.5	1.2	16	6600.0	BX7-125-505557-335-K
1250	1750	4	50	55	57	52.5	1.2	16	8000.0	BX7-125-505557-405-K

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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	0.033	15	24	32	27.5	0.8	20	297.0	BX7-160-152432-333-K
1600	2250	0.047	15	24	32	27.5	0.8	20	423.0	BX7-160-152432-473-K
1600	2250	0.068	15	24	32	27.5	0.8	20	612.0	BX7-160-152432-683-K
1600	2250	0.1	18	33	32	27.5	0.8	20	900.0	BX7-160-183332-104-K
1600	2250	0.15	20	39.5	41.5	37.5	1	18	1350.0	BX7-160-203941-154-K
1600	2250	0.22	20	39.5	41.5	37.5	1	18	1980.0	BX7-160-203941-224-K
1600	2250	0.33	20	39.5	41.5	37.5	1	18	1650.0	BX7-160-203941-334-K
1600	2250	0.47	34	36	45	37.5	1	18	2350.0	BX7-160-343645-474-K
1600	2250	0.68	34	45	45	37.5	1	18	3400.0	BX7-160-344545-684-K
1600	2250	1	35	50	57	52.5	1.2	16	2000.0	BX7-160-355057-105-K
1600	2250	1.2	35	50	57	52.5	1.2	16	2400.0	BX7-160-355057-125-K
1600	2250	1.5	38	54	57	52.5	1.2	16	3000.0	BX7-160-385457-155-K
1600	2250	2	50	55	57	52.5	1.2	16	4000.0	BX7-160-505557-205-K

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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	0.022	15	24	32	27.5	0.8	20	198.0	BX7-200-152432-223-K
2000	2800	0.033	15	24	32	27.5	0.8	20	297.0	BX7-200-152432-333-K
2000	2800	0.047	15	24	32	27.5	0.8	20	423.0	BX7-200-152432-473-K
2000	2800	0.068	18	33	32	27.5	0.8	20	612.0	BX7-200-183332-683-K
2000	2800	0.1	20	39.5	41.5	37.5	1	18	900.0	BX7-200-203941-104-K
2000	2800	0.15	20	39.5	41.5	37.5	1	18	1350.0	BX7-200-203941-154-K
2000	2800	0.22	20	39.5	41.5	37.5	1	18	1980.0	BX7-200-203941-224-K
2000	2800	0.33	34	36	45	37.5	1	18	1650.0	BX7-200-343645-334-K
2000	2800	0.47	34	45	45	37.5	1	18	2350.0	BX7-200-344545-474-K
2000	2800	0.68	35	50	57	52.5	1.2	16	3400.0	BX7-200-355057-684-K
2000	2800	1	35	50	57	52.5	1.2	16	2000.0	BX7-200-355057-105-K
2000	2800	1.2	38	54	57	52.5	1.2	16	2400.0	BX7-200-385457-125-K
2000	2800	1.5	50	55	57	52.5	1.2	16	3000.0	BX7-200-505557-155-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.

303 Hyundai I Valley, 149 Gongdanro, Gunpo City, Gyeonggi-do, Korea

VOICE. +82-31-429-6379 FAX. +82-31-429-9127

info@3RLab.com www.3RLab.com 3RLab, Inc.



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