

BX3

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
金属化ポリプロピレンコンデンサ
カスタム設計可能



主な特性

- 自己回復性能を持つ金属化ポリプロピレンフィルム
- 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

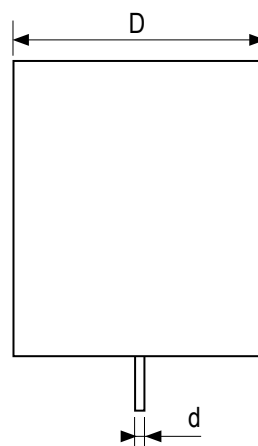
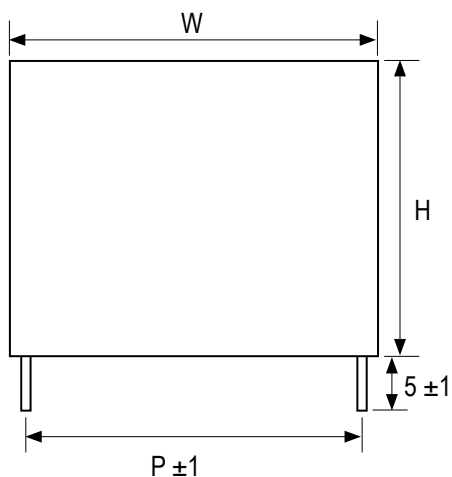


主なアプリケーション

- 振動回路、高周波
- 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

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

TOLERANCE

BX3 - 000 - 000000 - 000 -

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 ~ 1250 V
静電容量範囲	最大 25 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)	$\leq 350 \text{ V}/\mu\text{s}$
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	$-55 / +85 ^\circ\text{C}$
保護メカニズム	難燃性エポキシ樹脂で充填
正方形のプラスチックケース	自己回復機能
期待寿命	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	1	15	24	32	27.5	0.8	20	100.0	BX3-040-152432-105-K
400	560	1.2	15	24	32	27.5	0.8	20	120.0	BX3-040-152432-125-K
400	560	1.5	15	24	32	27.5	0.8	20	150.0	BX3-040-152432-155-K
400	560	2	15	24	32	27.5	0.8	20	200.0	BX3-040-152432-205-K
400	560	2.2	15	24	32	27.5	0.8	20	220.0	BX3-040-152432-225-K
400	560	2.5	15	24	32	27.5	0.8	20	250.0	BX3-040-152432-255-K
400	560	3	18	33	32	27.5	0.8	20	300.0	BX3-040-183332-305-K
400	560	3.3	18	33	32	27.5	0.8	20	330.0	BX3-040-183332-335-K
400	560	4	18	33	32	27.5	0.8	20	400.0	BX3-040-183332-405-K
400	560	4.7	17	28	42.5	37.5	1	18	470.0	BX3-040-172842-475-K
400	560	5	17	28	42.5	37.5	1	18	500.0	BX3-040-172842-505-K
400	560	5.5	20	39.5	41.5	37.5	1	18	550.0	BX3-040-203941-555-K
400	560	6	20	39.5	41.5	37.5	1	18	600.0	BX3-040-203941-605-K
400	560	6.8	20	39.5	41.5	37.5	1	18	408.0	BX3-040-203941-685-K
400	560	7.5	20	39.5	41.5	37.5	1	18	450.0	BX3-040-203941-755-K
400	560	8	20	39.5	41.5	37.5	1	18	480.0	BX3-040-203941-805-K
400	560	9	20	39.5	41.5	37.5	1	18	540.0	BX3-040-203941-905-K
400	560	10	34	36	45	37.5	1	18	600.0	BX3-040-343645-106-K
400	560	12	34	36	45	37.5	1	18	480.0	BX3-040-343645-126-K
400	560	15	34	36	45	37.5	1	18	600.0	BX3-040-343645-156-K
400	560	18	34	45	45	37.5	1	18	720.0	BX3-040-344545-186-K
400	560	20	42	47	45	37.5	1	18	800.0	BX3-040-424745-206-K
400	560	22	42	47	45	37.5	1	18	880.0	BX3-040-424745-226-K
400	560	25	42	47	45	37.5	1	18	1000.0	BX3-040-424745-256-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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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	900	0.47	15	24	32	27.5	0.8	20	94.0	BX3-063-152432-474-K
630	900	0.68	15	24	32	27.5	0.8	20	136.0	BX3-063-152432-684-K
630	900	1	15	24	32	27.5	0.8	20	150.0	BX3-063-152432-105-K
630	900	1.2	15	24	32	27.5	0.8	20	180.0	BX3-063-152432-125-K
630	900	1.5	18	33	32	27.5	0.8	20	225.0	BX3-063-183332-155-K
630	900	2	18	33	32	27.5	0.8	20	300.0	BX3-063-183332-205-K
630	900	2.2	18	33	32	27.5	0.8	20	330.0	BX3-063-183332-225-K
630	900	2.5	17	28	42.5	37.5	1	18	375.0	BX3-063-172842-255-K
630	900	3	20	39.5	41.5	37.5	1	18	450.0	BX3-063-203941-305-K
630	900	3.3	20	39.5	41.5	37.5	1	18	396.0	BX3-063-203941-335-K
630	900	4	20	39.5	41.5	37.5	1	18	480.0	BX3-063-203941-405-K
630	900	4.7	20	39.5	41.5	37.5	1	18	564.0	BX3-063-203941-475-K
630	900	5	20	39.5	41.5	37.5	1	18	600.0	BX3-063-203941-505-K
630	900	5.5	34	36	45	37.5	1	18	660.0	BX3-063-343645-555-K
630	900	6	34	36	45	37.5	1	18	720.0	BX3-063-343645-605-K
630	900	6.8	34	36	45	37.5	1	18	578.0	BX3-063-343645-685-K
630	900	7.5	34	36	45	37.5	1	18	635.0	BX3-063-343645-755-K
630	900	8	34	45	45	37.5	1	18	680.0	BX3-063-344545-805-K
630	900	9	34	45	45	37.5	1	18	765.0	BX3-063-344545-905-K
630	900	10	34	45	45	37.5	1	18	850.0	BX3-063-344545-106-K
630	900	12	42	47	45	37.5	1	18	600.0	BX3-063-424745-126-K

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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	0.33	15	24	32	27.5	0.8	20	66.0	BX3-085-152432-334-K
850	1200	0.47	15	24	32	27.5	0.8	20	94.0	BX3-085-152432-474-K
850	1200	0.68	18	33	32	27.5	0.8	20	136.0	BX3-085-183332-684-K
850	1200	1	18	33	32	27.5	0.8	20	150.0	BX3-085-183332-105-K
850	1200	1.2	18	33	32	27.5	0.8	20	180.0	BX3-085-183332-125-K
850	1200	1.5	20	39.5	41.5	37.5	1	18	225.0	BX3-085-203941-155-K
850	1200	2	20	39.5	41.5	37.5	1	18	300.0	BX3-085-203941-205-K
850	1200	2.2	20	39.5	41.5	37.5	1	18	330.0	BX3-085-203941-225-K
850	1200	2.5	34	36	45	37.5	1	18	375.0	BX3-085-343645-255-K
850	1200	3	34	36	45	37.5	1	18	450.0	BX3-085-343645-305-K
850	1200	3.3	34	36	45	37.5	1	18	396.0	BX3-085-343645-335-K
850	1200	4	34	45	45	37.5	1	18	480.0	BX3-085-344545-405-K
850	1200	4.7	34	45	45	37.5	1	18	564.0	BX3-085-344545-475-K
850	1200	5	34	45	45	37.5	1	18	600.0	BX3-085-344545-505-K
850	1200	5.5	42	47	45	37.5	1	18	660.0	BX3-085-424745-555-K
850	1200	6	42	47	45	37.5	1	18	510.0	BX3-085-424745-605-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	0.22	15	24	32	27.5	0.8	20	66.0	BX3-100-152432-224-K
1000	1400	0.33	15	24	32	27.5	0.8	20	66.0	BX3-100-152432-334-K
1000	1400	0.47	18	33	32	27.5	0.8	20	94.0	BX3-100-183332-474-K
1000	1400	0.68	18	33	32	27.5	0.8	20	136.0	BX3-100-183332-684-K
1000	1400	1	20	39.5	41.5	37.5	1	18	150.0	BX3-100-203941-105-K
1000	1400	1.2	20	39.5	41.5	37.5	1	18	180.0	BX3-100-203941-125-K
1000	1400	1.5	20	39.5	41.5	37.5	1	18	225.0	BX3-100-203941-155-K
1000	1400	2	34	36	45	37.5	1	18	300.0	BX3-100-343645-205-K
1000	1400	2.2	34	36	45	37.5	1	18	330.0	BX3-100-343645-225-K
1000	1400	2.5	34	36	45	37.5	1	18	375.0	BX3-100-343645-255-K
1000	1400	3	34	45	45	37.5	1	18	450.0	BX3-100-344545-305-K
1000	1400	3.3	34	45	45	37.5	1	18	462.0	BX3-100-344545-335-K
1000	1400	4	42	47	45	37.5	1	18	560.0	BX3-100-424745-405-K
1000	1400	4.7	42	47	45	37.5	1	18	658.0	BX3-100-424745-475-K

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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	0.15	15	24	32	27.5	0.8	20	52.5	BX3-125-152432-154-K
1250	1750	0.22	15	24	32	27.5	0.8	20	77.0	BX3-125-152432-224-K
1250	1750	0.33	15	24	32	27.5	0.8	20	82.5	BX3-125-152432-334-K
1250	1750	0.47	18	33	32	27.5	0.8	20	117.5	BX3-125-183332-474-K
1250	1750	0.68	17	28	42.5	37.5	1	18	170.0	BX3-125-172842-684-K
1250	1750	1	20	39.5	41.5	37.5	1	18	200.0	BX3-125-203941-105-K
1250	1750	1.2	20	39.5	41.5	37.5	1	18	240.0	BX3-125-203941-125-K
1250	1750	1.5	34	36	45	37.5	1	18	300.0	BX3-125-343645-155-K
1250	1750	2	34	45	45	37.5	1	18	400.0	BX3-125-344545-205-K
1250	1750	2.2	34	45	45	37.5	1	18	440.0	BX3-125-344545-225-K
1250	1750	2.5	34	45	45	37.5	1	18	500.0	BX3-125-344545-255-K
1250	1750	3	42	47	45	37.5	1	18	600.0	BX3-125-424745-305-K
1250	1750	3.3	42	47	45	37.5	1	18	528.0	BX3-125-424745-335-K

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