

BX3 HIGH DC FILM CAPACITORS



METALLIZED POLYPROPYLENE CAPACITORS IN PLASTIC CASE
AND EPOXY FILLING
CUSTOM DESIGN AVAILABLE

VOICE : +82-31-429-6379
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UPDATE : 2021-10-14



MAIN CHARACTERISTICS:

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

MAIN APPLICATIONS:

- OSCILLATING CIRCUITS , HIGH FREQUENCY
- ENERGY CONVERSION AND CONTROL IN POWER SEMICONDUCTOR CIRCUITS
- SMPS, MOTOR SPEED CONTROLS



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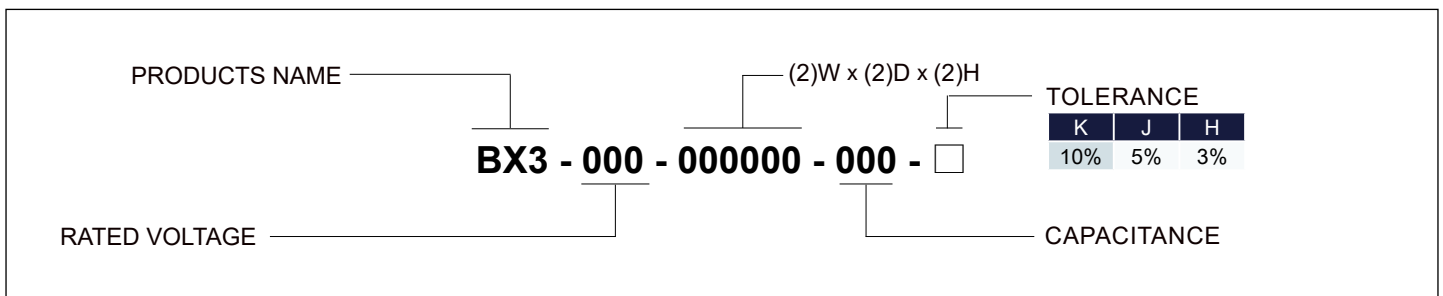


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DC VOLTAGE RANGE	400 ~ 1250 V
CAPACITANCE RANGE	UP TO 25 μ F
CAPACITANCE TOLERANCE (+25°C)	STANDARD: \pm 10%. CUSTOM: \pm 5%, \pm 3%
SERIES RESISTANCE (RS)	< 4.5 m Ω
MAXIMUM VOLTAGE RATE OF RISE(dV/dT)	\leq 350 V/ μ s
TERMINALS	TINNED COPPER WIRE
VOLTAGE TEST	RATED VOLTAGE X 1.5 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 1 % , MEASURED AT 25 \pm 5°C, 1 kHz

ORDERING INFORMATION



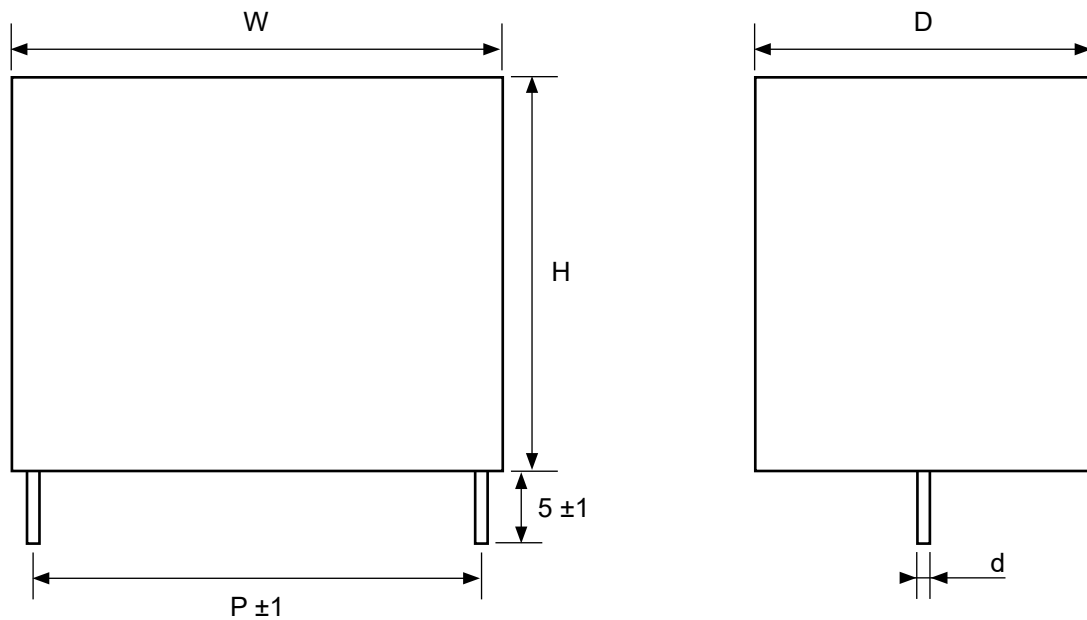
ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.

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DIEMENSION[mm]



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400VDC, RATED VOLTAGE

VOLTAGE AT +125°C			CAP ⁽³⁾ μF	DIMENSIONS [mm]					LEAD AWG	CURRENT I-PEAK ⁽²⁾ [A]	ORDERING CODE
VDC	VRMS (VAC)	V -PEAK ⁽¹⁾		D	H	W	P	d			
400	220	560	1	15	24	32	27.5	0.8	20	100	BX3-040-152432-105-K
400	220	560	1.2	15	24	32	27.5	0.8	20	120	BX3-040-152432-125-K
400	220	560	1.5	15	24	32	27.5	0.8	20	150	BX3-040-152432-155-K
400	220	560	2	15	24	32	27.5	0.8	20	200	BX3-040-152432-205-K
400	220	560	2.2	15	24	32	27.5	0.8	20	220	BX3-040-152432-225-K
400	220	560	2.5	15	24	32	27.5	0.8	20	250	BX3-040-152432-255-K
400	220	560	3	18	33	32	27.5	0.8	20	300	BX3-040-183332-305-K
400	220	560	3.3	18	33	32	27.5	0.8	20	330	BX3-040-183332-335-K
400	220	560	4	18	33	32	27.5	0.8	20	400	BX3-040-183332-405-K
400	220	560	4.7	17	28	42.5	37.5	1	18	470	BX3-040-172842-475-K
400	220	560	5	17	28	42.5	37.5	1	18	500	BX3-040-172842-505-K
400	220	560	5.5	20	39.5	41.5	37.5	1	18	550	BX3-040-203941-555-K
400	220	560	6	20	39.5	41.5	37.5	1	18	600	BX3-040-203941-605-K
400	220	560	6.8	20	39.5	41.5	37.5	1	18	408	BX3-040-203941-685-K
400	220	560	7.5	20	39.5	41.5	37.5	1	18	450	BX3-040-203941-755-K
400	220	560	8	20	39.5	41.5	37.5	1	18	480	BX3-040-203941-805-K
400	220	560	9	20	39.5	41.5	37.5	1	18	540	BX3-040-203941-905-K
400	220	560	10	34	36	45	37.5	1	18	600	BX3-040-343645-106-K
400	220	560	12	34	36	45	37.5	1	18	480	BX3-040-343645-126-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

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VDC	VRMS (VAC)	V -PEAK ⁽¹⁾		D	H	W	P	d			
400	220	560	15	34	36	45	37.5	1	18	600	BX3-040-343645-156-K
400	220	560	18	34	45	45	37.5	1	18	720	BX3-040-344545-186-K
400	220	560	20	42	47	45	37.5	1	18	800	BX3-040-424745-206-K
400	220	560	22	42	47	45	37.5	1	18	880	BX3-040-424745-226-K
400	220	560	25	42	47	45	37.5	1	18	1000	BX3-040-424745-256-K

630VDC, RATED VOLTAGE

630	280	900	0.47	15	24	32	27.5	0.8	20	94	BX3-063-152432-474-K
630	280	900	0.68	15	24	32	27.5	0.8	20	136	BX3-063-152432-684-K
630	280	900	1	15	24	32	27.5	0.8	20	150	BX3-063-152432-105-K
630	280	900	1.2	15	24	32	27.5	0.8	20	180	BX3-063-152432-125-K
630	280	900	1.5	18	33	32	27.5	0.8	20	225	BX3-063-183332-155-K
630	280	900	2	18	33	32	27.5	0.8	20	300	BX3-063-183332-205-K
630	280	900	2.2	18	33	32	27.5	0.8	20	330	BX3-063-183332-225-K
630	280	900	2.5	17	28	42.5	37.5	1	18	375	BX3-063-172842-255-K
630	280	900	3	20	39.5	41.5	37.5	1	18	450	BX3-063-203941-305-K
630	280	900	3.3	20	39.5	41.5	37.5	1	18	396	BX3-063-203941-335-K
630	280	900	4	20	39.5	41.5	37.5	1	18	480	BX3-063-203941-405-K
630	280	900	4.7	20	39.5	41.5	37.5	1	18	564	BX3-063-203941-475-K
630	280	900	5	20	39.5	41.5	37.5	1	18	600	BX3-063-203941-505-K

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VDC	VRMS (VAC)	V -PEAK ⁽¹⁾		D	H	W	P	d			
630	280	900	5.5	34	36	45	37.5	1	18	660	BX3-063-343645-555-K
630	280	900	6	34	36	45	37.5	1	18	720	BX3-063-343645-605-K
630	280	900	6.8	34	36	45	37.5	1	18	578	BX3-063-343645-685-K
630	280	900	7.5	34	36	45	37.5	1	18	635	BX3-063-343645-755-K
630	280	900	8	34	45	45	37.5	1	18	680	BX3-063-344545-805-K
630	280	900	9	34	45	45	37.5	1	18	765	BX3-063-344545-905-K
630	280	900	10	34	45	45	37.5	1	18	850	BX3-063-344545-106-K
630	280	900	12	42	47	45	37.5	1	18	600	BX3-063-424745-126-K

850VDC, RATED VOLTAGE

850	280	1200	0.33	15	24	32	27.5	0.8	20	66	BX3-085-152432-334-K
850	280	1200	0.47	15	24	32	27.5	0.8	20	94	BX3-085-152432-474-K
850	280	1200	0.68	18	33	32	27.5	0.8	20	136	BX3-085-183332-684-K
850	280	1200	1	18	33	32	27.5	0.8	20	150	BX3-085-183332-105-K
850	280	1200	1.2	18	33	32	27.5	0.8	20	180	BX3-085-183332-125-K
850	280	1200	1.5	20	39.5	41.5	37.5	1	18	225	BX3-085-203941-155-K
850	280	1200	2	20	39.5	41.5	37.5	1	18	300	BX3-085-203941-205-K
850	280	1200	2.2	20	39.5	41.5	37.5	1	18	330	BX3-085-203941-225-K
850	280	1200	2.5	34	36	45	37.5	1	18	375	BX3-085-343645-255-K
850	280	1200	3	34	36	45	37.5	1	18	450	BX3-085-343645-305-K

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VDC	VRMS (VAC)	V -PEAK ⁽¹⁾		D	H	W	P	d			
850	280	1200	3.3	34	36	45	37.5	1	18	396	BX3-085-343645-335-K
850	280	1200	4	34	45	45	37.5	1	18	480	BX3-085-344545-405-K
850	280	1200	4.7	34	45	45	37.5	1	18	564	BX3-085-344545-475-K
850	280	1200	5	34	45	45	37.5	1	18	600	BX3-085-344545-505-K
850	280	1200	5.5	42	47	45	37.5	1	18	660	BX3-085-424745-555-K
850	280	1200	6	42	47	45	37.5	1	18	510	BX3-085-424745-605-K

1000VDC, RATED VOLTAGE

1000	400	1400	0.22	15	24	32	27.5	0.8	20	66	BX3-100-152432-224-K
1000	400	1400	0.33	15	24	32	27.5	0.8	20	66	BX3-100-152432-334-K
1000	400	1400	0.47	18	33	32	27.5	0.8	20	94	BX3-100-183332-474-K
1000	400	1400	0.68	18	33	32	27.5	0.8	20	136	BX3-100-183332-684-K
1000	400	1400	1	20	39.5	41.5	37.5	1	18	150	BX3-100-203941-105-K
1000	400	1400	1.2	20	39.5	41.5	37.5	1	18	180	BX3-100-203941-125-K
1000	400	1400	1.5	20	39.5	41.5	37.5	1	18	225	BX3-100-203941-155-K
1000	400	1400	2	34	36	45	37.5	1	18	300	BX3-100-343645-205-K
1000	400	1400	2.2	34	36	45	37.5	1	18	330	BX3-100-343645-225-K
1000	400	1400	2.5	34	36	45	37.5	1	18	375	BX3-100-343645-255-K
1000	400	1400	3	34	45	45	37.5	1	18	450	BX3-100-344545-305-K
1000	400	1400	3.3	34	45	45	37.5	1	18	462	BX3-100-344545-335-K

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VDC	VRMS (VAC)	V -PEAK ⁽¹⁾		D	H	W	P	d			
1000	400	1400	4	42	47	45	37.5	1	18	560	BX3-100-424745-405-K
1000	400	1400	4.7	42	47	45	37.5	1	18	658	BX3-100-424745-475-K

1250VDC, RATED VOLTAGE

1250	500	1750	0.15	15	24	32	27.5	0.8	20	52.5	BX3-125-152432-154-K
1250	500	1750	0.22	15	24	32	27.5	0.8	20	77	BX3-125-152432-224-K
1250	500	1750	0.33	15	24	32	27.5	0.8	20	82.5	BX3-125-152432-334-K
1250	500	1750	0.47	18	33	32	27.5	0.8	20	117.5	BX3-125-183332-474-K
1250	500	1750	0.68	17	28	42.5	37.5	1	18	170	BX3-125-172842-684-K
1250	500	1750	1	20	39.5	41.5	37.5	1	18	200	BX3-125-203941-105-K
1250	500	1750	1.2	20	39.5	41.5	37.5	1	18	240	BX3-125-203941-125-K
1250	500	1750	1.5	34	36	45	37.5	1	18	300	BX3-125-343645-155-K
1250	500	1750	2	34	45	45	37.5	1	18	400	BX3-125-344545-205-K
1250	500	1750	2.2	34	45	45	37.5	1	18	440	BX3-125-344545-225-K
1250	500	1750	2.5	34	45	45	37.5	1	18	500	BX3-125-344545-255-K
1250	500	1750	3	42	47	45	37.5	1	18	600	BX3-125-424745-305-K
1250	500	1750	3.3	42	47	45	37.5	1	18	528	BX3-125-424745-335-K

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