

VX9 HIGH VOLTAGE DC FILM CAPACITORS



HIGH VOLTAGE METALLIZED POLYPROPYLENE TAPE WRAP AND
EPOXY FILL CASE
CUSTOM DESIGN AVAILABLE.

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UPDATE : 2021-10-14



MAIN CHARACTERISTICS:

- SELF-HEALING METALLIZED POLYPROPYLENE FILM
- TAPE WRAP AND EPOXY FILL CASE
- EPOXY FILLING

MAIN APPLICATIONS:

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



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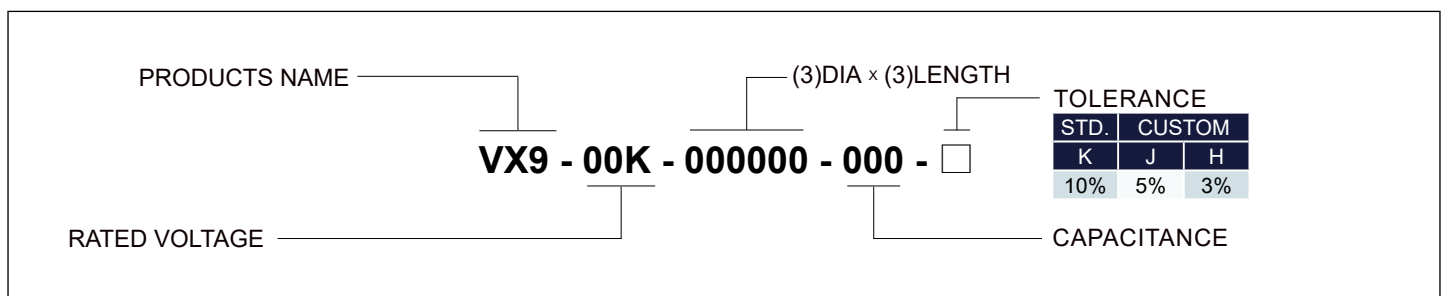


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DC VOLTAGE RANGE	2000~50000 V
CAPACITANCE RANGE	UP TO 8 μ F
CAPACITANCE TOLERANCE (AT +25°C)	STANDARD: \pm 10% ON REQUEST \pm 5, 3%
EQUIVALENT SERIES RESISTANCE	< 4.5 m Ω
MAXIMUM VOLTAGE RATE OF RISE(dV/dT)	\leq 1000 V/ μ S
TERMINALS	M6
VOLTAGE TEST	RATED VOLTAGE X 1.5 TIMES FOR 10 SECS
WORKING & STORAGE TEMPERATURE	-55 / +85 °C
CYLINDRICAL CASE AND FILLING	EPOXY FILLING
PROTECTIVE MECHANISM	SELF HEALING
LIFE EXPECTANCY	100,000 HOURS TYP
M6 SCREW TERMINALS	MAX 6 Nm
DISSIPATION FACTOR	DF VALUE \leq 1%, MEASURED AT 25 \pm 5°C 1kHz

ORDERING INFORMATION



ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.

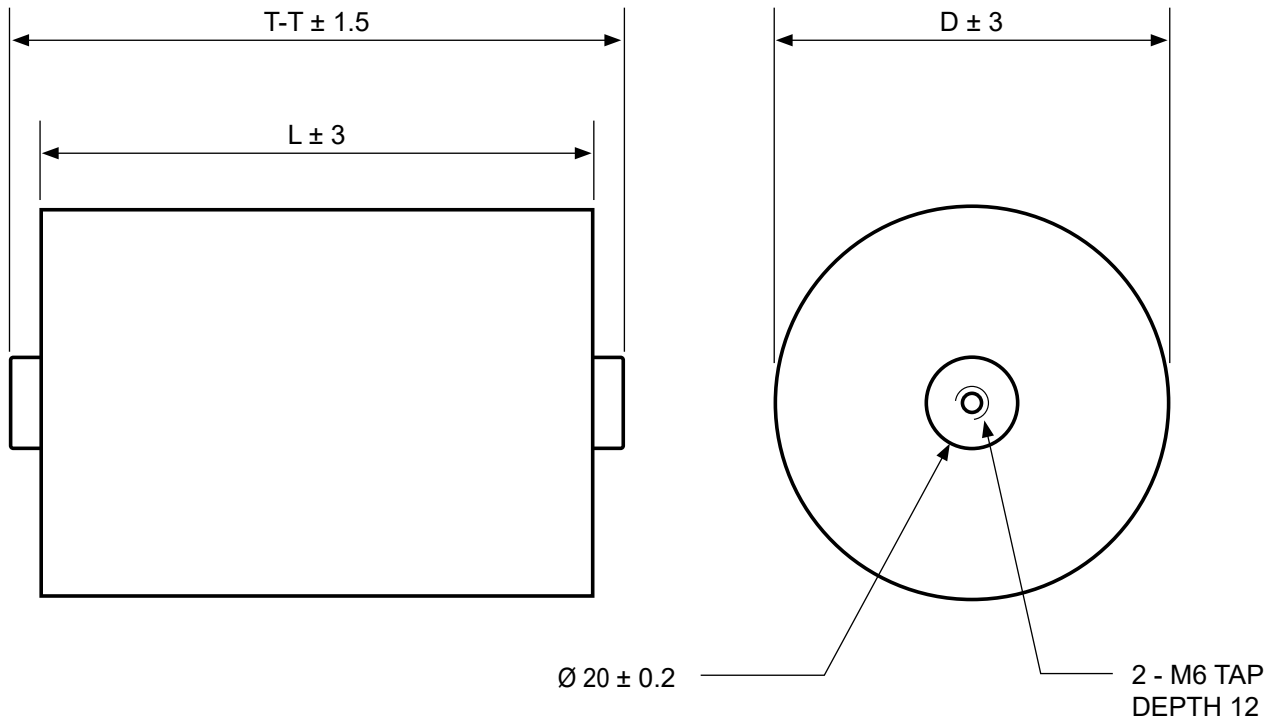
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DIMENSION[mm]



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2000VDC, RATED VOLTAGE

VOLTAGE AT +85°C		CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾		D	L	T-T		I-PEAK ⁽²⁾ [A]	
2000	2800	1.2	50	82.5	92.5	M6	132	VX9-02K-050082-125-K
2000	2800	1.5	54	82.5	92.5	M6	165	VX9-02K-054082-155-K
2000	2800	2	61	82.5	92.5	M6	220	VX9-02K-061082-205-K
2000	2800	2.2	64	82.5	92.5	M6	242	VX9-02K-064082-225-K
2000	2800	2.5	68	82.5	92.5	M6	275	VX9-02K-068082-255-K
2000	2800	3	73	82.5	92.5	M6	330	VX9-02K-073082-305-K
2000	2800	3.3	76	82.5	92.5	M6	363	VX9-02K-076082-335-K
2000	2800	3.5	78	82.5	92.5	M6	385	VX9-02K-078082-355-K
2000	2800	3.7	80	82.5	92.5	M6	407	VX9-02K-080082-375-K
2000	2800	4	83	82.5	92.5	M6	440	VX9-02K-083082-405-K
2000	2800	4.5	88	82.5	92.5	M6	495	VX9-02K-088082-455-K
2000	2800	5	92	82.5	92.5	M6	550	VX9-02K-092082-505-K
2000	2800	6	100	82.5	92.5	M6	660	VX9-02K-100082-605-K
2000	2800	7	108	82.5	92.5	M6	770	VX9-02K-108082-705-K
2000	2800	8	115	82.5	92.5	M6	880	VX9-02K-115082-805-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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4000VDC, RATED VOLTAGE

VOLTAGE AT +85°C		CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾		D	L	T-T		I-PEAK ⁽²⁾ [A]	
4000	5600	0.47	53	82.5	92.5	M6	103.4	VX9-04K-053082-474-K
4000	5600	0.68	62	82.5	92.5	M6	149.6	VX9-04K-062082-684-K
4000	5600	1	74	82.5	92.5	M6	220	VX9-04K-074082-105-K
4000	5600	1.2	81	82.5	92.5	M6	264	VX9-04K-081082-125-K
4000	5600	1.5	89	82.5	92.5	M6	330	VX9-04K-089082-155-K
4000	5600	2	102	82.5	92.5	M6	440	VX9-04K-102082-205-K
4000	5600	2.2	107	82.5	92.5	M6	484	VX9-04K-107082-225-K
4000	5600	2.5	114	82.5	92.5	M6	550	VX9-04K-114082-255-K

6000VDC, RATED VOLTAGE

6000	8500	0.33	54	102.5	112.5	M6	57.75	VX9-06K-054102-334-K
6000	8500	0.47	63	102.5	112.5	M6	82.25	VX9-06K-063102-474-K
6000	8500	0.68	74	102.5	112.5	M6	119	VX9-06K-074102-684-K
6000	8500	1	88	102.5	112.5	M6	175	VX9-06K-088102-105-K
6000	8500	1.2	96	102.5	112.5	M6	210	VX9-06K-096102-125-K
6000	8500	1.5	108	102.5	112.5	M6	262.5	VX9-06K-108102-155-K
6000	8500	2	123	102.5	112.5	M6	350	VX9-06K-123102-205-K

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8000VDC, RATED VOLTAGE

VOLTAGE AT +85°C		CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾		D	L	T-T		I-PEAK ⁽²⁾ [A]	
8000	12000	0.15	49	109.5	119.5	M6	33	VX9-08K-049109-154-K
8000	12000	0.22	57	109.5	119.5	M6	48.4	VX9-08K-057109-224-K
8000	12000	0.33	68	109.5	119.5	M6	72.6	VX9-08K-068109-334-K
8000	12000	0.47	80	109.5	119.5	M6	103.4	VX9-08K-080109-474-K
8000	12000	0.68	95	109.5	119.5	M6	149.6	VX9-08K-095109-684-K
8000	12000	1	114	109.5	119.5	M6	220	VX9-08K-114109-105-K

10000VDC, RATED VOLTAGE

10000	14000	0.1	51	109.5	119.5	M6	30	VX9-10K-051109-104-K
10000	14000	0.15	60	109.5	119.5	M6	45	VX9-10K-060109-154-K
10000	14000	0.22	71	109.5	119.5	M6	66	VX9-10K-071109-224-K
10000	14000	0.33	88	109.5	119.5	M6	99	VX9-10K-088109-334-K
10000	14000	0.47	101	109.5	119.5	M6	141	VX9-10K-101109-474-K
10000	14000	0.68	121	109.5	119.5	M6	204	VX9-50K-118192-223-K

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16000VDC, RATED VOLTAGE

VOLTAGE AT +85°C		CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾		D	L	T-T		I-PEAK ⁽²⁾ [A]	
16000	22000	0.033	52	137.5	147.5	M6	16.5	VX9-16K-052137-333-K
16000	22000	0.047	61	137.5	147.5	M6	23.5	VX9-16K-061137-473-K
16000	22000	0.068	71	137.5	147.5	M6	34	VX9-16K-071137-683-K
16000	22000	0.1	85	137.5	147.5	M6	50	VX9-16K-085137-104-K
16000	22000	0.15	102	137.5	147.5	M6	75	VX9-16K-102137-154-K
16000	22000	0.22	122	137.5	147.5	M6	110	VX9-16K-122137-224-K

20000VDC, RATED VOLTAGE

20000	28000	0.022	52	137.5	147.5	M6	13.2	VX9-20K-052137-223-K
20000	28000	0.033	61	137.5	147.5	M6	19.8	VX9-20K-061137-333-K
20000	28000	0.047	71	137.5	147.5	M6	28.2	VX9-20K-071137-473-K
20000	28000	0.068	84	137.5	147.5	M6	40.8	VX9-20K-084137-683-K
20000	28000	0.1	100	137.5	147.5	M6	60	VX9-20K-100137-104-K
20000	28000	0.15	121	137.5	147.5	M6	90	VX9-20K-121137-154-K

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30000VDC, RATED VOLTAGE

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VDC	V -PEAK ⁽¹⁾		D	L	T-T		I-PEAK ⁽²⁾ [A]	
30000	42000	0.01	49	174.5	184.5	M6	7	VX9-30K-049174-103-K
30000	42000	0.015	58	174.5	184.5	M6	10.5	VX9-30K-058174-153-K
30000	42000	0.022	68	174.5	184.5	M6	15.4	VX9-30K-068174-223-K
30000	42000	0.033	80	174.5	184.5	M6	23.1	VX9-30K-080174-333-K
30000	42000	0.047	94	174.5	184.5	M6	32.9	VX9-30K-094174-473-K
30000	42000	0.068	113	174.5	184.5	M6	47.6	VX9-30K-113174-683-K

50000VDC, RATED VOLTAGE

50000	65000	0.0047	59	192.5	202.5	M6	3.8	VX9-50K-059192-472-K
50000	65000	0.0068	69	192.5	202.5	M6	5.4	VX9-50K-069192-682-K
50000	65000	0.01	82	192.5	202.5	M6	8.0	VX9-50K-082192-103-K
50000	65000	0.015	98	192.5	202.5	M6	12.0	VX9-50K-098192-153-K
50000	65000	0.022	118	192.5	202.5	M6	17.6	VX9-50K-118043-223-K

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