

VX9 HIGH VOLTAGE DC FILM CAPACITORS



HIGH VOLTAGE METALLIZED POLYPROPYLENE TAPE WRAP AND EPOXY FILL CASE

VOICE : +82-31-429-6379
FAX : +82-31-429-9127
E-MAIL : info@3RLab.com
UPDATE : 2021-03-30



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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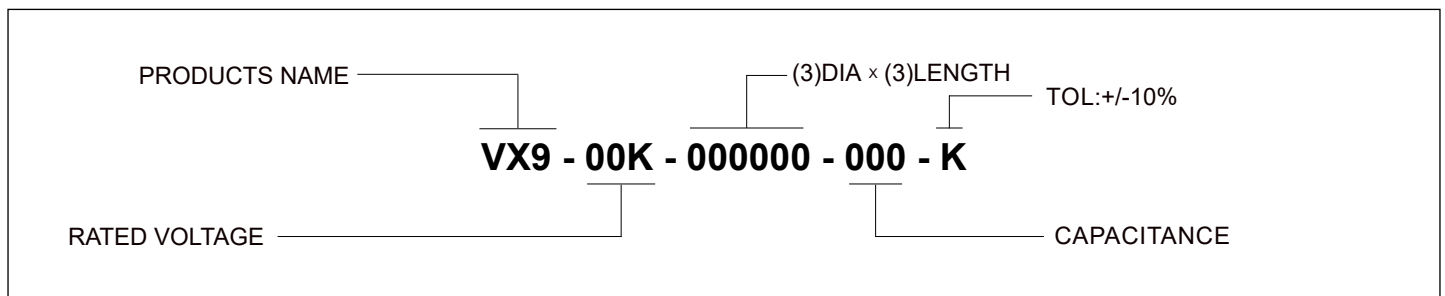


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DC VOLTAGE RANGE	2000~50000 V
CAPACITANCE RANGE	UP TO 7 μ F
CAPACITANCE TOLERANCE (+25°C)	STANDARD: \pm 10% ON REQUEST \pm 1, 2, 3, 5%
EQUIVALENT SERIES RESISTANCE	< 4.5 m Ω
MAXIMUM VOLTAGE RATE OF RISE(dV/dT)	\leq 1000 V/ μ S
TERMINALS	M6
VOLTAGE 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

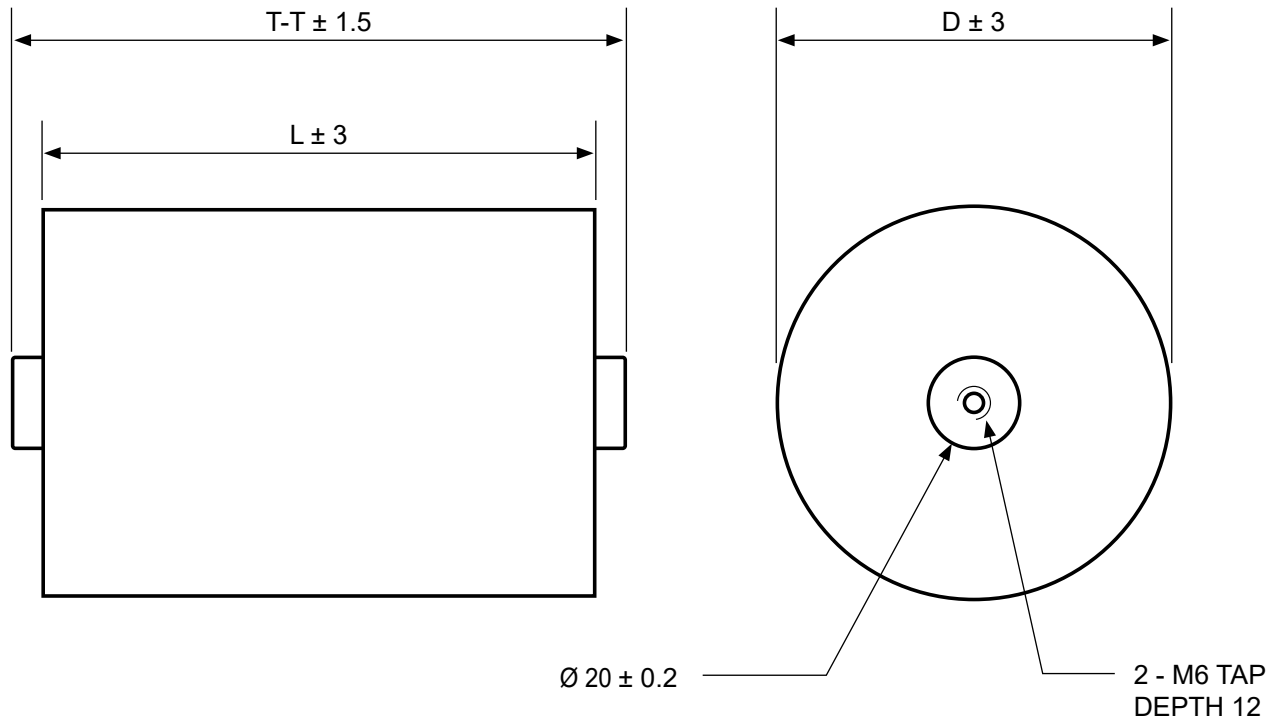


ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.

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DIMENSION[mm]



2000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT I-PEAK ⁽²⁾ [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D	L	T-T			
2000	650	2800	1.2	47	81.5	91.5	M6	132	VX9-02K-047081-125-K
2000	650	2800	1.5	54	81.5	91.5	M6	165	VX9-02K-054081-155-K
2000	650	2800	2	61	81.5	91.5	M6	220	VX9-02K-061081-205-K
2000	650	2800	2.2	64	81.5	91.5	M6	242	VX9-02K-064081-225-K
2000	650	2800	2.5	68	81.5	91.5	M6	275	VX9-02K-068081-255-K
2000	650	2800	3	75	81.5	91.5	M6	330	VX9-02K-075081-305-K
2000	650	2800	3.3	78	81.5	91.5	M6	363	VX9-02K-078081-335-K
2000	650	2800	3.5	80	81.5	91.5	M6	385	VX9-02K-080081-355-K
2000	650	2800	3.7	82	81.5	91.5	M6	407	VX9-02K-082081-375-K
2000	650	2800	4	86	81.5	91.5	M6	440	VX9-02K-086081-405-K
2000	650	2800	4.5	91	81.5	91.5	M6	495	VX9-02K-091081-455-K
2000	650	2800	5	95	81.5	91.5	M6	550	VX9-02K-095081-505-K
2000	650	2800	6	104	81.5	91.5	M6	660	VX9-02K-104081-605-K
2000	650	2800	7	112	81.5	91.5	M6	770	VX9-02K-112081-705-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

4000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT I-PEAK ⁽²⁾ [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D	L	T-T			
4000	850	5600	0.47	52	81.5	91.5	M6	103.4	VX9-04K-052081-474-K
4000	850	5600	0.68	62	81.5	91.5	M6	149.6	VX9-04K-062081-684-K
4000	850	5600	1	74	81.5	91.5	M6	220.0	VX9-04K-074081-105-K
4000	850	5600	1.2	81	81.5	91.5	M6	264.0	VX9-04K-081081-125-K
4000	850	5600	1.5	91	81.5	91.5	M6	330.0	VX9-04K-091081-155-K
4000	850	5600	2	104	81.5	91.5	M6	440.0	VX9-04K-104081-205-K
4000	850	5600	2.2	108	81.5	91.5	M6	484.0	VX9-04K-108081-225-K
4000	850	5600	2.5	116	81.5	91.5	M6	550.0	VX9-04K-116081-255-K

6000VDC, RATED VOLTAGE

6000	1000	8500	0.33	54	102.5	112.5	M6	57.8	VX9-06K-054102-334-K
6000	1000	8500	0.47	64	102.5	112.5	M6	82.3	VX9-06K-064102-474-K
6000	1000	8500	0.68	77	102.5	112.5	M6	119.0	VX9-06K-077102-684-K
6000	1000	8500	1	93	102.5	112.5	M6	175.0	VX9-06K-093102-105-K
6000	1000	8500	1.2	102	102.5	112.5	M6	210.0	VX9-06K-102102-125-K
6000	1000	8500	1.5	114	102.5	112.5	M6	262.5	VX9-06K-114102-155-K

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8000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP ⁽³⁾ μF	DIMENSIONS[mm]			TERMI- NAL	CURRENT I-PEAK ⁽²⁾ [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D	L	T-T			
8000	1250	12000	0.22	51	109.5	119.5	M6	49.72	VX9-08K-051109-224-K
8000	1250	12000	0.33	63	109.5	119.5	M6	74.58	VX9-08K-063109-334-K
8000	1250	12000	0.47	74	109.5	119.5	M6	106.22	VX9-08K-074109-474-K
8000	1250	12000	0.68	89	109.5	119.5	M6	153.68	VX9-08K-089109-684-K
8000	1250	12000	1	108	109.5	119.5	M6	226	VX9-08K-108109-105-K
8000	1250	12000	1.2	118	109.5	119.5	M6	271.2	VX9-08K-118109-125-K

10000VDC, RATED VOLTAGE

10000	1500	14000	0.15	51	109.5	119.5	M6	45.0	VX9-10K-051109-154-K
10000	1500	14000	0.22	62	109.5	119.5	M6	66.0	VX9-10K-062109-224-K
10000	1500	14000	0.33	76	109.5	119.5	M6	99.0	VX9-10K-076109-334-K
10000	1500	14000	0.47	91	109.5	119.5	M6	141.0	VX9-10K-091109-474-K
10000	1500	14000	0.68	109	109.5	119.5	M6	204.0	VX9-10K-109109-684-K

16000VDC, RATED VOLTAGE

16000	2500	22000	0.022	46	111.5	121.5	M6	11	VX9-16K-046111-223-K
16000	2500	22000	0.033	55	111.5	121.5	M6	16.5	VX9-16K-055111-333-K
16000	2500	22000	0.047	66	111.5	121.5	M6	23.5	VX9-16K-066111-473-K
16000	2500	22000	0.068	79	111.5	121.5	M6	34.0	VX9-16K-079111-683-K
16000	2500	22000	0.1	95	111.5	121.5	M6	50.0	VX9-16K-095111-104-K
16000	2500	22000	0.15	116	111.5	121.5	M6	75.0	VX9-16K-116111-154-K

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20000VDC, RATED VOLTAGE

VOLTAGE AT +85°C			CAP ⁽³⁾ μF	DIMENSIONS [mm]			TERMI- NAL	CURRENT I-PEAK ⁽²⁾ [A]	ORDERING CODE
VDC	V-RMS (VAC)	V -PEAK		D	L	T-T			
20000	3000	28000	0.015	49	137.5	147.5	M6	9	VX9-20K-049137-153-K
20000	3000	28000	0.022	59	137.5	147.5	M6	13.2	VX9-20K-059137-223-K
20000	3000	28000	0.033	71	137.5	147.5	M6	19.8	VX9-20K-071137-333-K
20000	3000	28000	0.047	85	137.5	147.5	M6	28.2	VX9-20K-085137-473-K
20000	3000	28000	0.068	101	137.5	147.5	M6	40.8	VX9-20K-101137-683-K

30000VDC, RATED VOLTAGE

30000	4000	42000	0.01	51	174.5	184.5	M6	7.0	VX9-30K-051174-103-K
30000	4000	42000	0.015	62	174.5	184.5	M6	10.5	VX9-30K-062174-153-K
30000	4000	42000	0.022	74	174.5	184.5	M6	15.4	VX9-30K-074174-223-K
30000	4000	42000	0.033	91	174.5	184.5	M6	23.1	VX9-30K-091174-333-K
30000	4000	42000	0.047	108	174.5	184.5	M6	32.9	VX9-30K-108174-473-K

50000VDC, RATED VOLTAGE

50000	5000	65000	0.0047	51	192.5	202.5	M6	3.8	VX9-50K-051192-472-K
50000	5000	65000	0.0068	60	192.5	202.5	M6	5.4	VX9-50K-060192-682-K
50000	5000	65000	0.01	72	192.5	202.5	M6	8.0	VX9-50K-072192-103-K
50000	5000	65000	0.015	85	192.5	202.5	M6	12.0	VX9-50K-085192-153-K
50000	5000	65000	0.022	105	192.5	202.5	M6	17.6	VX9-50K-105192-223-K

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