

# TX7 HIGH TEMPERATURE DC FILM CAPACITORS



ELECTRIC VEHICLES AND RELATED APPLICATION  
125°C FILM CAPACITOR  
CUSTOM DESIGN AVAILABLE.

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com  
UPDATE : 2021-10-14



## MAIN CHARACTERISTICS:

- ULTRA HEAT EXCHANGE THROUGH VERY COOLANT FINS
- SELF-HEALING METALLIZED FILM
- HIGH TEMPERATURE FLAME RETARDANT EPOXY FILLING

## MAIN APPLICATIONS:

- ELECTRIC VEHICLE
- HARSHED HIGH TEMPERATURE APPLICATION

# TX7 HIGH TEMPERATURE DC FILM CAPACITORS

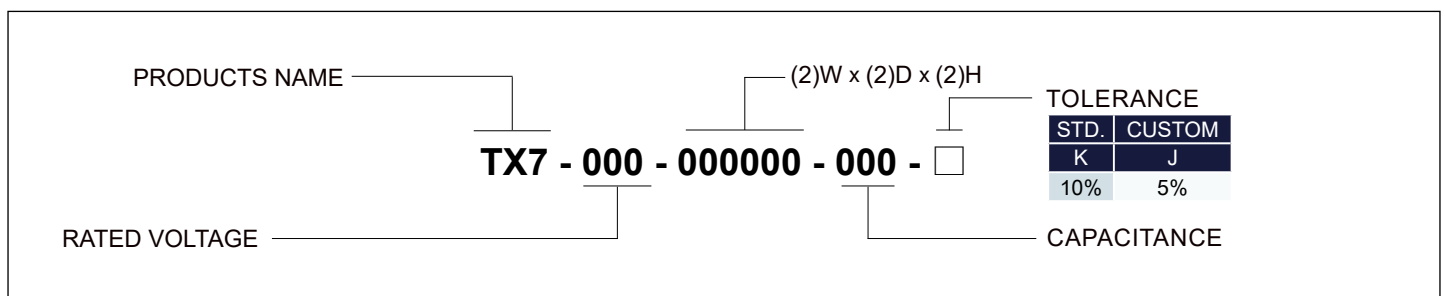


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<b>DC VOLTAGE RANGE</b>	500V
<b>CAPACITANCE RANGE</b>	UP TO 20 $\mu$ F
<b>CAPACITANCE TOLERANCE (AT +25°C)</b>	STANDARD: $\pm$ 10% ON REQUEST $\pm$ 5%
<b>EQUIVALENT SERIES RESISTANCE</b>	< 4.5 m $\Omega$
<b>MAXIMUM VOLTAGE RATE OF RISE(dV/dT)</b>	$\leq$ 85 V/ $\mu$ s
<b>TERMINALS</b>	TINNED COPPER WIRE
<b>VOLTAGE TEST</b>	RATED VOLTAGE X 1.5 TIMES FOR 10 SECS
<b>WORKING &amp; STORAGE TEMPERATURE</b>	-55 / +125 °C
<b>PROTECTIVE MECHANISM</b>	SELF HEALING
<b>SQUARE CASE</b>	FLAME RETARDANT HEAT SINK PLASTIC CASE (UL94V-0)
<b>FILLING</b>	FLAME RETARDANT HIGH TEMPERATURE EPOXY RESIN FILLING
<b>LIFE EXPECTANCY</b>	100,000 HOURS TYP.
<b>SOLDERUNG HEAT TEST</b>	TEMPERATURE = 260 $\pm$ 5 °C FOR 10 SECS
<b>DISSIPATION FACTOR</b>	DF VALUE $\leq$ 1 % , MEASURED AT 25 $\pm$ 5°C, 1 kHz

## ORDERING INFORMATION

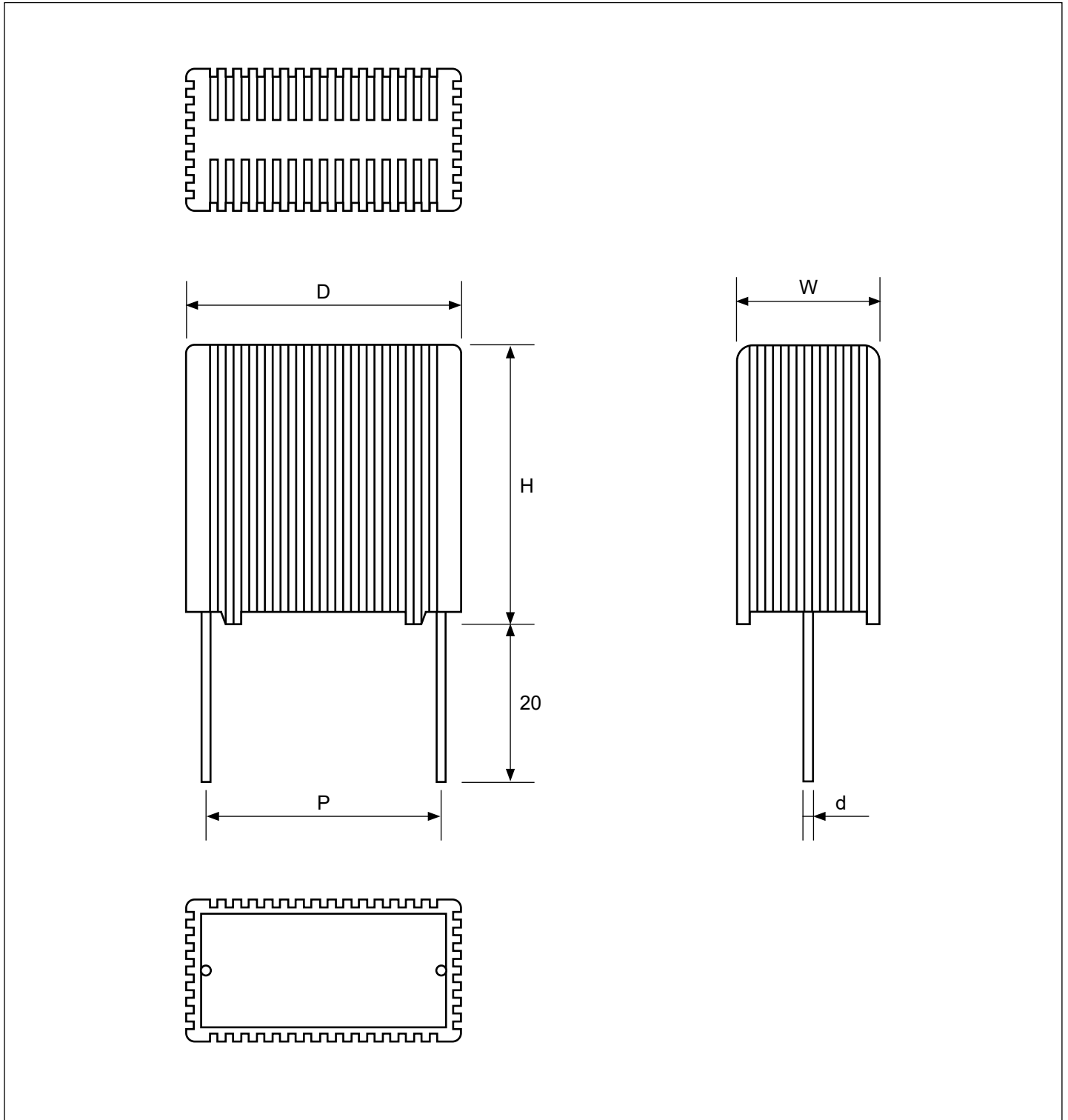


ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.

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## DIEMENSION[mm]



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## 500VDC, RATED VOLTAGE

VOLTAGE AT +125°C		CAP <sup>(3)</sup> μF	DIMENSIONS [mm]				LEAD [mm]	CURRENT	ORDERING CODE
VDC	V -PEAK		W	D	H	P	d	I-PEAK <sup>(2)</sup> [A]	
500	700	5	16	35	25	29	0.8	425	TX7-005-163525-505-K
500	700	6	16	35	25	29	0.8	510	TX7-005-163525-605-K
500	700	8	16	35	25	29	0.8	680	TX7-005-163525-805-K
500	700	10	16	35	25	29	0.8	850	TX7-005-163525-106-K
500	700	15	18	35	35.5	29	0.8	1050	TX7-005-183535-156-K
500	700	20	20	35	37	29	0.8	1300	TX7-005-203537-206-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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