

# Kingtronics®

## DKT-DM

### Combined Type Super Capacitor

#### FEATURES

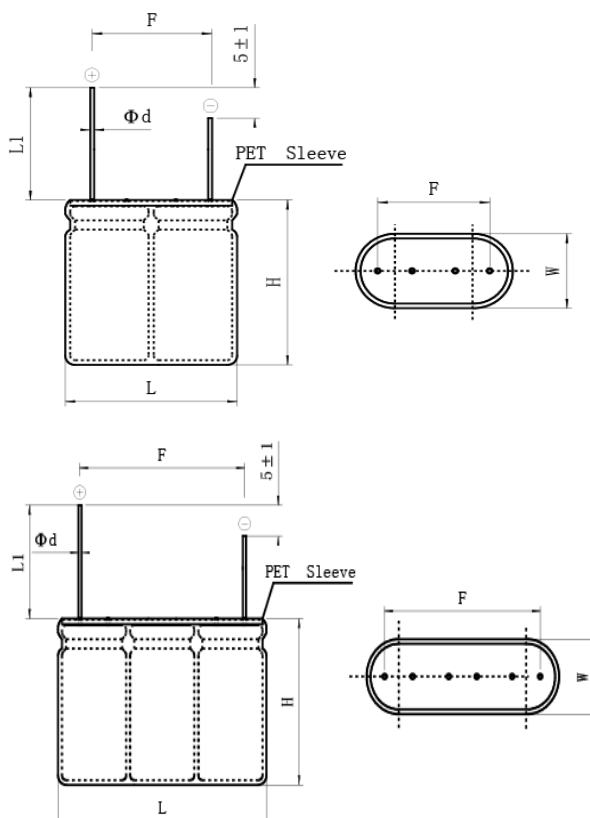
- ◆ Low internal resistance
- ◆ Standard power type
- ◆ Pb-free and RoHS compliant



#### SPECIFICATIONS

Series name	DKT-DM Series Low internal resistance Type	
Type name	DKT-DM 5R5	DKT-DM 7R5
Rated voltage $V_R$	5.5V	7.5V
Surge voltage	5.8V	7.9V
Capacity range	0.1F~5F	0.1F~3.3F
Operating temperature range	-40~ +70°C	
Product life	<p>Normal temperature cycle life : 25°C, 1 million cycles between <math>V_R</math> and <math>1/2V_R</math> , Capacity attenuation <math>\leq 30\%</math>, ESR change <math>\leq 4</math> times.</p> <p>High temperature endurance life : Maximum temperature retention <math>V_R \cdot 1000</math> hours. Capacity attenuation <math>\leq 30\%</math>, ESR change <math>\leq 4</math> times.</p>	

#### DIMENSIONS (mm)



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**STANDARD RATINGS**

Nominal Voltage (V)	Capacity (F)	ESR mΩ		Product size (mm)					
		DC	AC 1kHz	L+/-0.5	W+/-0.5	H+/-2	F+/-0.5	d+/-0.1	L1 min
5.5	0.1	1500	1000	11	6	13	7	0.5	26
5.5	0.1	1500	1000	13	7	14	9	0.5	26
5.5	0.22	1500	1000	13	7	14	9	0.5	26
5.5	0.33	1200	800	16.5	8.5	14	12	0.6	28
5.5	0.47	900	600	13	7	14	9	0.6	28
5.5	0.47	900	600	17	9	15	12	0.5	26
5.5	1	280	420	17	9	21	12	0.6	28
5.5	1	280	420	21	10	21	15	0.6	28
5.5	1.5	240	160	21	10	21	15	0.6 / 0.7	23
5.5	1.5	300	200	17	9	21	12	0.6 / 0.7	23
5.5	2	180	120	21	10	21	15	0.6 / 0.7	23
5.5	2	210	140	26	13	22	18	0.6 / 0.7	23
5.5	2.5	210	140	21	10	21	15	0.6 / 0.7	24
5.5	3	210	140	26	13	22	18	0.6 / 0.7	26
5.5	4	150	100	26	13	22	18	0.6 / 0.7	26
5.5	5	150	100	26	13	27	18	0.6 / 0.7	28
5.5	8	90	60	33	17	23	24	0.8	28
5.5	8	90	60	33	17	28	24	0.8	28
5.5	10	75	50	33	17	28	24	0.8	28
5.5	15	75	50	33	17	35	24	0.8	28
5.5	25	60	40	37	19	43	26	0.8	28
5.5	30	45	30	37	19	43	26	0.8	28
7.5	0.1	1800	1200	19.5	7	14	10	0.5	26
7.5	0.33	900	600	25	9	15	13.5	0.6	28
7.5	0.7	630	420	25	9	21	13.5	0.6	28
7.5	1	360	240	31	11	18	16	0.6	28
7.5	1	450	300	25	9	21	13.5	0.6	28
7.5	1.5	315	210	31	10	21	16	0.6	28
7.5	1.5	315	210	39	13	22	21	0.6	26
7.5	2	315	210	39	13	22	21	0.6	26
7.5	2.5	225	150	39	13	22	21	0.6	26
7.5	3.3	225	150	39	13	27	21	0.6	28
7.5	5	135	90	49	17	28	25.5	0.8	28

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## DKT-DM

### Combined Type Super Capacitor

#### HOW TO ORDER

DKT	DM	2R7	104	M	00500120	020	000	R	B	R
Series	Sub Series	Voltage	Capacity	Capacity Tolerance	Dimension	Pitch/Pins	Lead Length	Terminal Options	Packing	Pb
		1.	2.	3.	4.	5.	6.	7.	8.	9.

#### NOTE:

##### 1. Voltage

Code	2R7	3R0
Voltage	2.7	3.0

##### 2. Capacity

Code	104	105	106	107	108
Capacitance (F)	0.1	1.0	10	100	1000

##### 3. Capacity Tolerance

Code	M	V	F
Tolerance	±20%	-10%~+20%	0%~+30%

##### 4. Dimension

Code	00500120	00630125	01000200	01250210	01600260	05101080
Dimension (mm)	5x12	6.3x12.5	10x20	12.5x21	16x26	51x108

##### 5. Pitch/Pins/Screw

Code	016	020	025	035	050	075	100	127	218	282	4PS
Pitch (mm)/Pins	1.6	2.0	2.5	3.5	5.0	7.5	10.0	12.7	21.8	28.2	4pins

Code	000
Pitch (mm)	Screw

##### 6. Lead Length

Code	000	040	045	050
Lead Length	Standard	4.0	4.5	5.0

##### 7. Terminal Options

Code	R	S	W
Terminal Options	Radial	Snap-in	Screw

##### 8. Packing

Code	A	B
Packing	Ammo	Bulk

##### 9. Pb

Code	L	R
Pb	Leaded	RoHS

Note: Specifications are subject to change without notice.

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