

## Metallized Polyester Film Capacitors MKT (DIPPED)

### Product safety approvals

Mark	Certificate / File number
CE	ZKS23005983
RoHS	DSP23090336-1
REACH	DSP23090335-1

### Features

- Self-Healing Property
- Excellent Stability
- RoHS Compliant

















### Applications

- General purpose
- Blocking and coupling
- Bypass and energy reservoir application

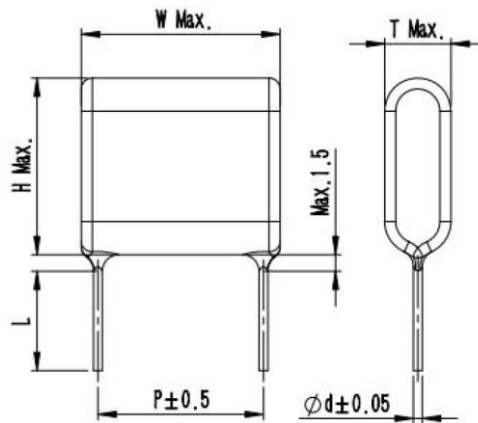
### Part numbering system (example)

AFC	TD	474	K	2	06P	20	B	B
Series code	Type: MKT Dipped	Capacitance 47pF x 10 <sup>4</sup> = 470nF	Capacitance tolerance	Rated voltage marking	Lead width	Lead length	Lead configuration	Packing
			J ±5%	2 100VDC	01P 2.5mm	20mm	See: <a href="#">lead configuration</a> below	B Bulk
			K ±10%	4 250VDC	02P 5.0mm			T Tape
			M ±20%	5 400VDC	03P 7.5mm			
				6 630VDC	nP n x 2.5mm			
				7 1000VDC				

### Lead configuration

Lead type	L	M	N	B	C	D	E	F	G	H	K	T	U	W	R	S
																

Specifications			
Parameter	Value		Unit
Climate type	40/105/21		
Operating temperature range	-40 ~ 105		°C
Dissipation factor	≤0.0015, 1kHz		
Insulation resistance (@20°C, 1min)	@C <sub>N</sub> ≤ 0.33μF	≥15000	MΩ
	@C <sub>N</sub> > 0.33μF	≥5000	MΩ



Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
μF		mm					
0.12	100V.dc(63V.ac)	4.0	7.0	10	7.5	0.6	AFCTD 124K203P20LB
0.15	100V.dc(63V.ac)	4.1	7.8	10	7.5	0.6	AFCTD 154K203P20LB
0.18	100V.dc(63V.ac)	4.0	7.5	10	7.5	0.6	AFCTD 184K203P20LB
0.22	100V.dc(63V.ac)	4.1	7.8	10	7.5	0.6	AFCTD 224K203P20LB
0.27	100V.dc(63V.ac)	4.5	8.1	10	7.5	0.6	AFCTD 274K203P20LB
0.33	100V.dc(63V.ac)	4.8	8.5	10	7.5	0.6	AFCTD 334K203P20LB
0.39	100V.dc(63V.ac)	5.2	8.8	10	7.5	0.6	AFCTD 394K203P20LB
0.47	100V.dc(63V.ac)	5.6	9.2	10	7.5	0.6	AFCTD 474K203P20LB
0.56	100V.dc(63V.ac)	5.2	8.8	12.5	10	0.6	AFCTD 564K204P20LB
0.68	100V.dc(63V.ac)	5.6	9.3	12.5	10	0.6	AFCTD 684K204P20LB
0.82	100V.dc(63V.ac)	6.1	9.7	12.5	10	0.6	AFCTD 824K204P20LB
1.0	100V.dc(63V.ac)	6.6	10.3	12.5	10	0.6	AFCTD 105K204P20LB
1.2	100V.dc(63V.ac)	7.2	10.9	12.5	10	0.6	AFCTD 125K204P20LB
1.5	100V.dc(63V.ac)	8.0	11.6	12.5	10	0.6	AFCTD 155K204P20LB
1.8	100V.dc(63V.ac)	6.3	13.6	17.5	15	0.75	AFCTD 185K206P20LB

2.2	100V.dc(63V.ac)	7.0	14.2	17.5	15	0.75	AFCTD 225K206P20LB
2.7	100V.dc(63V.ac)	7.6	15	17.5	15	0.75	AFCTD 275K206P20LB
3.3	100V.dc(63V.ac)	8.4	15.7	17.5	15	0.75	AFCTD 335K206P20LB
3.9	100V.dc(63V.ac)	9.1	16.4	17.5	15	0.75	AFCTD 395K206P20LB
4.7	100V.dc(63V.ac)	8.1	17	25.5	22.5	0.75	AFCTD 475K209P20LB
5.6	100V.dc(63V.ac)	8.8	17.8	25.5	22.5	0.75	AFCTD 565K209P20LB
6.8	100V.dc(63V.ac)	10.2	18.5	25.5	22.5	0.75	AFCTD 685K209P20LB
8.2	100V.dc(63V.ac)	11.1	19.5	25.5	22.5	0.75	AFCTD 825K209P20LB
10	100V.dc(63V.ac)	11.6	21.5	25.5	22.5	0.75	AFCTD 106K209P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
µF		mm					
0.010	250V.dc(160V.ac)	3.5	7	10	7.5	0.6	AFCTD 103K403P20LB
0.012	250V.dc(160V.ac)	3.7	7.2	10	7.5	0.6	AFCTD 123K403P20LB
0.015	250V.dc(160V.ac)	3.8	7.4	10	7.5	0.6	AFCTD 153K403P20LB
0.018	250V.dc(160V.ac)	4.0	7.6	10	7.5	0.6	AFCTD 183K403P20LB
0.022	250V.dc(160V.ac)	3.8	7.4	10	7.5	0.6	AFCTD 223K403P20LB
0.027	250V.dc(160V.ac)	4.1	7.7	10	7.5	0.6	AFCTD 273K403P20LB
0.033	250V.dc(160V.ac)	3.7	7.3	10	7.5	0.6	AFCTD 333K403P20LB
0.039	250V.dc(160V.ac)	3.9	7.5	10	7.5	0.6	AFCTD 393K403P20LB
0.047	250V.dc(160V.ac)	4.1	7.8	10	7.5	0.6	AFCTD 473K403P20LB
0.056	250V.dc(160V.ac)	4.4	8.0	10	7.5	0.6	AFCTD 563K403P20LB
0.068	250V.dc(160V.ac)	3.9	7.5	10	7.5	0.6	AFCTD 683K403P20LB
0.082	250V.dc(160V.ac)	4.1	7.8	10	7.5	0.6	AFCTD 823K403P20LB
0.10	250V.dc(160V.ac)	4.4	8.1	10	7.5	0.6	AFCTD 104K403P20LB
0.12	250V.dc(160V.ac)	4.8	8.4	10	7.5	0.6	AFCTD 124K403P20LB
0.15	250V.dc(160V.ac)	5.2	8.8	10	7.5	0.6	AFCTD 154K403P20LB
0.18	250V.dc(160V.ac)	4.5	8.9	12.5	10	0.6	AFCTD 184K404P20LB
0.22	250V.dc(160V.ac)	4.8	9.3	12.5	10	0.6	AFCTD 224K404P20LB
0.27	250V.dc(160V.ac)	5.3	9.7	12.5	10	0.6	AFCTD 274K404P20LB
0.33	250V.dc(160V.ac)	5.5	10.7	12.5	10	0.6	AFCTD 334K404P20LB
0.39	250V.dc(160V.ac)	5.2	10.4	17.5	15	0.75	AFCTD 394K406P20LB
0.47	250V.dc(160V.ac)	5.6	10.8	17.5	15	0.75	AFCTD 474K406P20LB
0.56	250V.dc(160V.ac)	5.5	12.3	17.5	15	0.75	AFCTD 564K406P20LB
0.68	250V.dc(160V.ac)	6.0	12.8	17.5	15	0.75	AFCTD 684K406P20LB
1.0	250V.dc(160V.ac)	7.1	14.4	17.5	15	0.75	AFCTD 105K406P20LB
1.2	250V.dc(160V.ac)	7.7	15	17.5	15	0.75	AFCTD 125K406P20LB
1.5	250V.dc(160V.ac)	9.1	15.9	17.5	15	0.75	AFCTD 155K406P20LB
1.8	250V.dc(160V.ac)	9.9	16.2	17.5	15	0.75	AFCTD 185K406P20LB
2.2	250V.dc(160V.ac)	8.8	15.6	25.5	22.5	0.75	AFCTD 225K409P20LB
2.7	250V.dc(160V.ac)	9.7	16.5	25.5	22.5	0.75	AFCTD 275K409P20LB
3.3	250V.dc(160V.ac)	10.6	17.4	25.5	22.5	0.75	AFCTD 335K409P20LB

3.9	250V.dc(160V.ac)	10.9	19.2	25.5	22.5	0.75	AFCTD 395K409P20LB
4.7	250V.dc(160V.ac)	11.9	20.3	25.5	22.5	0.75	AFCTD 475K409P20LB
5.6	250V.dc(160V.ac)	12.1	20.4	30.5	27.5	0.75	AFCTD 565K411P20LB
6.8	250V.dc(160V.ac)	13.3	21.6	30.5	27.5	0.75	AFCTD 685K411P20LB
8.2	250V.dc(160V.ac)	14.5	22.9	30.5	27.5	0.75	AFCTD 825K411P20LB
10.0	250V.dc(160V.ac)	16	24.5	30.5	27.5	0.75	AFCTD 106K411P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
μF		mm					
0.010	400V.dc/450V.dc(200V.ac)	3.6	7.2	10	7.5	0.6	AFCTD 103K503P20LB
0.012	400V.dc/450V.dc(200V.ac)	3.8	7.4	10	7.5	0.6	AFCTD 123K503P20LB
0.015	400V.dc/450V.dc(200V.ac)	4.2	7.8	10	7.5	0.6	AFCTD 153K503P20LB
0.018	400V.dc/450V.dc(200V.ac)	3.7	7.3	10	7.5	0.6	AFCTD 183K503P20LB
0.022	400V.dc/450V.dc(200V.ac)	3.9	7.5	10	7.5	0.6	AFCTD 223K503P20LB
0.027	400V.dc/450V.dc(200V.ac)	4.2	7.8	10	7.5	0.6	AFCTD 273K503P20LB
0.033	400V.dc/450V.dc(200V.ac)	4.5	8.1	10	7.5	0.6	AFCTD 333K503P20LB
0.039	400V.dc/450V.dc(200V.ac)	4.6	8.2	10	7.5	0.6	AFCTD 393K503P20LB
0.047	400V.dc/450V.dc(200V.ac)	5.0	9.0	10	7.5	0.6	AFCTD 473K503P20LB
0.056	400V.dc/450V.dc(200V.ac)	4.3	8.8	12.5	10	0.6	AFCTD 563K504P20LB
0.068	400V.dc/450V.dc(200V.ac)	4.7	9.1	12.5	10	0.6	AFCTD 683K504P20LB
0.082	400V.dc/450V.dc(200V.ac)	5.0	9.4	12.5	10	0.6	AFCTD 823K504P20LB
0.10	400V.dc/450V.dc(200V.ac)	5.4	9.5	12.5	10	0.6	AFCTD 104K504P20LB
0.12	400V.dc/450V.dc(200V.ac)	5.9	10.3	12.5	10	0.6	AFCTD 124K504P20LB
0.15	400V.dc/450V.dc(200V.ac)	5.4	10.6	17.5	15	0.75	AFCTD 154K506P20LB
0.18	400V.dc/450V.dc(200V.ac)	5.8	11	17.5	15	0.75	AFCTD 184K506P20LB
0.22	400V.dc/450V.dc(200V.ac)	6.3	11.5	17.5	15	0.75	AFCTD 224K506P20LB
0.27	400V.dc/450V.dc(200V.ac)	6.8	12	17.5	15	0.75	AFCTD 274K506P20LB
0.33	400V.dc/450V.dc(200V.ac)	7.4	12.7	17.5	15	0.75	AFCTD 334K506P20LB
0.39	400V.dc/450V.dc(200V.ac)	8.0	13.7	17.5	15	0.75	AFCTD 394K506P20LB
0.47	400V.dc/450V.dc(200V.ac)	9.2	14.4	17.5	15	0.75	AFCTD 474K506P20LB
0.56	400V.dc/450V.dc(200V.ac)	9.9	15.1	17.5	15	0.75	AFCTD 564K506P20LB
0.68	400V.dc/450V.dc(200V.ac)	10.8	16	17.5	15	0.75	AFCTD 684K506P20LB
0.82	400V.dc/450V.dc(200V.ac)	11.8	17	17.5	15	0.75	AFCTD 824K506P20LB
1.0	400V.dc/450V.dc(200V.ac)	9.1	17.5	25.5	22.5	0.75	AFCTD 105K509P20LB
1.2	400V.dc/450V.dc(200V.ac)	9.9	18.3	25.5	22.5	0.75	AFCTD 125K509P20LB
1.5	400V.dc/450V.dc(200V.ac)	11	19.4	25.5	22.5	0.75	AFCTD 155K509P20LB
1.8	400V.dc/450V.dc(200V.ac)	10.8	19.1	30.5	27.5	0.75	AFCTD 185K511P20LB
2.2	400V.dc/450V.dc(200V.ac)	11.3	21.2	30.5	27.5	0.75	AFCTD 225K511P20LB
2.7	400V.dc/450V.dc(200V.ac)	12.5	22.4	30.5	27.5	0.75	AFCTD 275K511P20LB
3.3	400V.dc/450V.dc(200V.ac)	13.9	23.8	30.5	27.5	0.75	AFCTD 335K511P20LB
3.9	400V.dc/450V.dc(200V.ac)	15.1	25.1	30.5	27.5	0.75	AFCTD 395K511P20LB
4.7	400V.dc/450V.dc(200V.ac)	16.7	26.6	30.5	27.5	0.75	AFCTD 475K511P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
μF		mm					
0.010	630V.dc(220V.ac)	3.8	7.4	12.5	10	0.6	AFCTD 103K604P20LB
0.012	630V.dc(220V.ac)	4.0	7.6	12.5	10	0.6	AFCTD 123K604P20LB
0.015	630V.dc(220V.ac)	4.1	7.7	12.5	10	0.6	AFCTD 153K604P20LB
0.018	630V.dc(220V.ac)	4.2	7.9	12.5	10	0.6	AFCTD 183K604P20LB
0.022	630V.dc(220V.ac)	4.5	8.2	12.5	10	0.6	AFCTD 223K604P20LB
0.027	630V.dc(220V.ac)	4.9	8.5	12.5	10	0.6	AFCTD 273K604P20LB
0.033	630V.dc(220V.ac)	5.2	8.9	12.5	10	0.6	AFCTD 333K604P20LB
0.039	630V.dc(220V.ac)	5.6	9.2	12.5	10	0.6	AFCTD 393K604P20LB
0.047	630V.dc(220V.ac)	6.0	9.7	12.5	10	0.6	AFCTD 473K604P20LB
0.056	630V.dc(220V.ac)	6.5	10.1	12.5	10	0.6	AFCTD 563K604P20LB
0.068	630V.dc(220V.ac)	7.0	10.7	12.5	10	0.6	AFCTD 683K604P20LB
0.082	630V.dc(220V.ac)	7.6	11.3	12.5	10	0.6	AFCTD 823K604P20LB
0.10	630V.dc(220V.ac)	6.3	11.5	17.5	15	0.75	AFCTD 104K606P20LB
0.15	630V.dc(220V.ac)	7.5	12.7	17.5	15	0.75	AFCTD 154K606P20LB
0.18	630V.dc(220V.ac)	8.1	13.8	17.5	15	0.75	AFCTD 184K606P20LB
0.22	630V.dc(220V.ac)	9.3	14.5	17.5	15	0.75	AFCTD 224K606P20LB
0.39	630V.dc(220V.ac)	12	17.2	17.5	15	0.75	AFCTD 394K606P20LB
0.47	630V.dc(220V.ac)	9.7	16.4	25.5	22.5	0.75	AFCTD 474K609P20LB
0.56	630V.dc(220V.ac)	10.5	17.2	25.5	22.5	0.75	AFCTD 564K609P20LB
0.68	630V.dc(220V.ac)	11.4	18.2	25.5	22.5	0.75	AFCTD 684K609P20LB
0.82	630V.dc(220V.ac)	12.5	19.3	25.5	22.5	0.75	AFCTD 824K609P20LB
1.0	630V.dc(220V.ac)	11.6	20	30.5	27.5	0.75	AFCTD 105K611P20LB
1.2	630V.dc(220V.ac)	12.6	22	30.5	27.5	0.75	AFCTD 125K611P20LB
1.5	630V.dc(220V.ac)	14.1	22.5	30.5	27.5	0.75	AFCTD 155K611P20LB
1.8	630V.dc(220V.ac)	15.5	23.8	30.5	27.5	0.75	AFCTD 185K611P20LB
2.2	630V.dc(220V.ac)	17.1	25.5	30.5	27.5	0.75	AFCTD 225K611P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
μF		mm					
0.0010	1000V.dc(400V.ac)	4.0	8.5	10	7.5	0.6	AFCTD 102K703P20LB
0.0012	1000V.dc(400V.ac)	4.3	8.7	10	7.5	0.6	AFCTD 122K703P20LB
0.0015	1000V.dc(400V.ac)	4.1	8.5	10	7.5	0.6	AFCTD 152K703P20LB
0.0018	1000V.dc(400V.ac)	4.3	8.7	10	7.5	0.6	AFCTD 182K703P20LB
0.0022	1000V.dc(400V.ac)	4.1	8.5	10	7.5	0.6	AFCTD 222K703P20LB
0.0027	1000V.dc(400V.ac)	4.4	8.8	10	7.5	0.6	AFCTD 272K703P20LB
0.0033	1000V.dc(400V.ac)	4.3	8.7	10	7.5	0.6	AFCTD 332K703P20LB
0.0039	1000V.dc(400V.ac)	4.5	8.9	10	7.5	0.6	AFCTD 392K703P20LB
0.0047	1000V.dc(400V.ac)	4.8	9.3	10	7.5	0.6	AFCTD 472K703P20LB
0.0056	1000V.dc(400V.ac)	4.1	8.5	12.5	10	0.6	AFCTD 562K704P20LB

0.0068	1000V.dc(400V.ac)	4.4	8.8	12.5	10	0.6	AFCTD 682K704P20LB
0.0082	1000V.dc(400V.ac)	4.7	9.1	12.5	10	0.6	AFCTD 822K704P20LB
0.010	1000V.dc(400V.ac)	5.0	9.4	12.5	10	0.6	AFCTD 103K704P20LB
0.012	1000V.dc(400V.ac)	5.4	9.8	12.5	10	0.6	AFCTD 123K704P20LB
0.015	1000V.dc(400V.ac)	5.6	10.8	12.5	10	0.6	AFCTD 153K704P20LB
0.018	1000V.dc(400V.ac)	6.1	11.3	12.5	10	0.6	AFCTD 183K704P20LB
0.022	1000V.dc(400V.ac)	6.7	11.9	12.5	10	0.6	AFCTD 223K704P20LB
0.027	1000V.dc(400V.ac)	5.0	11.8	17.5	15	0.75	AFCTD 273K706P20LB
0.033	1000V.dc(400V.ac)	5.5	12.3	17.5	15	0.75	AFCTD 333K706P20LB
0.039	1000V.dc(400V.ac)	5.9	12.7	17.5	15	0.75	AFCTD 393K706P20LB
0.047	1000V.dc(400V.ac)	6.5	13.2	17.5	15	0.75	AFCTD 473K706P20LB
0.056	1000V.dc(400V.ac)	7.0	13.8	17.5	15	0.75	AFCTD 563K706P20LB
0.068	1000V.dc(400V.ac)	7.7	14.5	17.5	15	0.75	AFCTD 683K706P20LB
0.082	1000V.dc(400V.ac)	8.5	15.2	17.5	15	0.75	AFCTD 823K706P20LB
0.10	1000V.dc(400V.ac)	9.7	16.6	17.5	15	0.75	AFCTD 104K706P20LB
0.12	1000V.dc(400V.ac)	8.3	15.3	25.5	22.5	0.75	AFCTD 124K709P20LB
0.15	1000V.dc(400V.ac)	9.2	16.2	25.5	22.5	0.75	AFCTD 154K709P20LB
0.18	1000V.dc(400V.ac)	10.1	17.1	25.5	22.5	0.75	AFCTD 184K709P20LB
0.22	1000V.dc(400V.ac)	11.1	18.1	25.5	22.5	0.75	AFCTD 224K709P20LB
0.27	1000V.dc(400V.ac)	11.7	20.2	25.5	22.5	0.75	AFCTD 274K709P20LB
0.33	1000V.dc(400V.ac)	11.6	20.1	30.5	27.5	0.75	AFCTD 334K711P20LB
0.39	1000V.dc(400V.ac)	12.6	21.2	25.5	22.5	0.75	AFCTD 394K709P20LB

## Disclaimer

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