

Metalized Polyester Film Capacitors MKT (BOX)

Product safety approvals

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

Features

- Self-Healing Property
- Excellent Stability
- RoHS Compliant














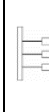


Applications

- General purpose
- Blocking and coupling

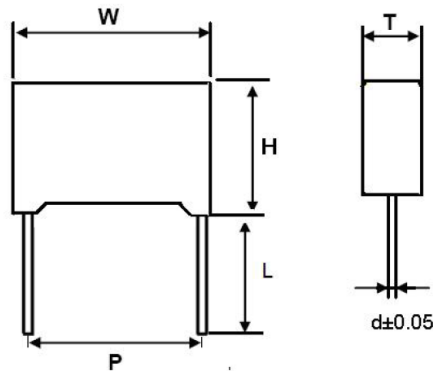
Part numbering system (example)

AFC	TB	474	K	2	06P	20	B	B		
Series code	Type: MKT Box	Capacitance 47pF x 10 ⁴ = 470nF	Capacitance tolerance	Rated voltage marking	Lead width	Lead length	Lead configuration	Packing		
			J ±5%	2	100VDC	01P	2.5mm	20mm	See: lead configuration 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																
Code	L	M	N	B	C	D	E	F	G	H	K	T	U	W	R	S

Specifications			
Parameter	Value		Unit
Climate type	40/105/56		
Operating temperature range	-40 ~ 105		°C
Dissipation factor	≤0.0015, 1kHz		
Insulation resistance (@20°C, 1min)	@C _N ≤ 0.33μF	≥15000	MΩ
	@C _N > 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					
0.10	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 104K204P20LB
0.15	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 154K204P20LB
0.22	100V.dc(63V.ac)	4	9	10	7.5	0.6	AFCTB 224K203P20LB
0.22	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 224K204P20LB
0.33	100V.dc(63V.ac)	4	9	10	7.5	0.6	AFCTB 334K203P20LB
0.33	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 334K204P20LB
0.33	100V.dc(63V.ac)	5	11	18	15	0.75	AFCTB 334K206P20LB
0.47	100V.dc(63V.ac)	4	9	10	7.5	0.6	AFCTB 474K203P20LB
0.47	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 474K204P20LB
0.47	100V.dc(63V.ac)	5	11	18	15	0.75	AFCTB 474K206P20LB
0.68	100V.dc(63V.ac)	4	9	10	7.5	0.6	AFCTB 684K203P20LB
0.68	100V.dc(63V.ac)	4	9	13	10	0.6	AFCTB 684K204P20LB
0.68	100V.dc(63V.ac)	5	11	18	15	0.75	AFCTB 684K206P20LB
1.0	100V.dc(63V.ac)	6	12	10	7.5	0.6	AFCTB 105K203P20LB
1.0	100V.dc(63V.ac)	5	11	13	10	0.6	AFCTB 105K204P20LB
1.0	100V.dc(63V.ac)	5	11	18	15	0.75	AFCTB 105K206P20LB

1.5	100V.dc(63V.ac)	6	12	13	10	0.6	AFCTB 155K204P20LB
1.5	100V.dc(63V.ac)	6	12	18	15	0.75	AFCTB 155K206P20LB
1.5	100V.dc(63V.ac)	6	12	26.5	22.5	0.75	AFCTB 155K209P20LB
1.8	100V.dc(63V.ac)	6	12	18	15	0.75	AFCTB 185K206P20LB
1.8	100V.dc(63V.ac)	6	15	26.5	22.5	0.75	AFCTB 185K209P20LB
2.2	100V.dc(63V.ac)	6	12	18	15	0.75	AFCTB 225K206P20LB
2.2	100V.dc(63V.ac)	6	15	26.5	22.5	0.75	AFCTB 225K209P20LB
3.3	100V.dc(63V.ac)	7.5	13.5	18	15	0.75	AFCTB 335K206P20LB
3.3	100V.dc(63V.ac)	6	15	26.5	22.5	0.75	AFCTB 335K209P20LB
4.7	100V.dc(63V.ac)	8.5	14.5	18	15	0.75	AFCTB 475K206P20LB
4.7	100V.dc(63V.ac)	6	15	26.5	22.5	0.75	AFCTB 475K209P20LB
6.8	100V.dc(63V.ac)	10	19	26.5	22.5	0.75	AFCTB 685K209P20LB
6.8	100V.dc(63V.ac)	9	18	31	27.5	0.75	AFCTB 685K211P20LB
10	100V.dc(63V.ac)	12	21.5	26.5	22.5	0.75	AFCTB 106K209P20LB
10	100V.dc(63V.ac)	11	20	32	27.5	0.75	AFCTB 106K211P20LB
15	100V.dc(63V.ac)	11	20	32	27.5	0.75	AFCTB 156K211P20LB
22	100V.dc(63V.ac)	14	25	31.5	27.5	0.75	AFCTB 226K211P20LB
33	100V.dc(63V.ac)	16	25.5	31.5	27.5	0.75	AFCTB 336K211P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
µF		mm					
0.033	250V.dc(160V.ac)	4	9	13	10	0.6	AFCTB 333K404P20LB
0.047	250V.dc(160V.ac)	4	9	13	10	0.6	AFCTB 473K404P20LB
0.068	250V.dc(160V.ac)	4	9	13	10	0.6	AFCTB 683K404P20LB
0.10	250V.dc(160V.ac)	4	9	13	10	0.6	AFCTB 104K404P20LB
0.10	250V.dc(160V.ac)	5	11	18	15	0.75	AFCTB 104K406P20LB
0.15	250V.dc(160V.ac)	4	9	10	7.5	0.6	AFCTB 154K403P20LB
0.15	250V.dc(160V.ac)	4	9	13	10	0.6	AFCTB 154K404P20LB
0.15	250V.dc(160V.ac)	5	11	18	15	0.75	AFCTB 154K406P20LB
0.22	250V.dc(160V.ac)	5	11	10	7.5	0.6	AFCTB 224K403P20LB
0.22	250V.dc(160V.ac)	5	11	13	10	0.6	AFCTB 224K404P20LB
0.22	250V.dc(160V.ac)	5	11	18	15	0.75	AFCTB 224K406P20LB
0.22	250V.dc(160V.ac)	6	12	26	22.5	0.75	AFCTB 224K409P20LB
0.27	250V.dc(160V.ac)	6	12	10	7.5	0.6	AFCTB 274K403P20LB
0.33	250V.dc(160V.ac)	6	12	10	7.5	0.6	AFCTB 334K403P20LB
0.33	250V.dc(160V.ac)	5	11	18	15	0.75	AFCTB 334K406P20LB
0.47	250V.dc(160V.ac)	6	12	13	10	0.6	AFCTB 474K404P20LB
0.47	250V.dc(160V.ac)	5	11	18	15	0.75	AFCTB 474K406P20LB
0.47	250V.dc(160V.ac)	6	15	26	22.5	0.75	AFCTB 474K409P20LB
0.68	250V.dc(160V.ac)	6	12	18	15	0.75	AFCTB 684K406P20LB
0.68	250V.dc(160V.ac)	6	15	26	22.5	0.75	AFCTB 684K409P20LB
1.0	250V.dc(160V.ac)	7.5	13.5	18	15	0.75	AFCTB 105K406P20LB

1.0	250V.dc(160V.ac)	6	15	26	22.5	0.75	AFCTB 105K409P20LB
1.5	250V.dc(160V.ac)	8.5	14.5	18	15	0.75	AFCTB 155K406P20LB
1.5	250V.dc(160V.ac)	7	16.5	26.5	22.5	0.75	AFCTB 155K409P20LB
1.5	250V.dc(160V.ac)	9	18	31	27.5	0.75	AFCTB 155K411P20LB
1.8	250V.dc(160V.ac)	7	16.5	26.5	22.5	0.75	AFCTB 185K409P20LB
1.8	250V.dc(160V.ac)	9	18	31	27.5	0.75	AFCTB 185K411P20LB
2.2	250V.dc(160V.ac)	8.5	17	26.5	22.5	0.75	AFCTB 225K409P20LB
2.2	250V.dc(160V.ac)	9	18	31	27.5	0.75	AFCTB 225K411P20LB
3.3	250V.dc(160V.ac)	11	20	26	22.5	0.75	AFCTB 335K409P20LB
3.3	250V.dc(160V.ac)	9	18	31	27.5	0.75	AFCTB 335K411P20LB
4.7	250V.dc(160V.ac)	13	22	31	27.5	0.75	AFCTB 475K411P20LB
6.8	250V.dc(160V.ac)	13	22	31	27.5	0.75	AFCTB 685K411P20LB
10	250V.dc(160V.ac)	14	25	31.5	27.5	0.75	AFCTB 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)	4	9	13	10	0.6	AFCTB 103K504P20LB
0.015	400V.dc/450V.dc(200V.ac)	4	9	13	10	0.6	AFCTB 153K504P20LB
0.022	400V.dc/450V.dc(200V.ac)	4	9	13	10	0.6	AFCTB 223K504P20LB
0.033	400V.dc/450V.dc(200V.ac)	4	9	13	10	0.6	AFCTB 333K504P20LB
0.047	400V.dc/450V.dc(200V.ac)	4	9	10	7.5	0.6	AFCTB 473K503P20LB
0.047	400V.dc/450V.dc(200V.ac)	4	9	13	10	0.6	AFCTB 473K504P20LB
0.056	400V.dc/450V.dc(200V.ac)	4	9	13	7.5	0.6	AFCTB 563K503P20LB
0.068	400V.dc/450V.dc(200V.ac)	5	11	13	10	0.6	AFCTB 683K504P20LB
0.068	400V.dc/450V.dc(200V.ac)	5	11	18	15	0.75	AFCTB 683K506P20LB
0.10	400V.dc/450V.dc(200V.ac)	5	11	13	10	0.6	AFCTB 104K504P20LB
0.10	400V.dc/450V.dc(200V.ac)	5	11	18	15	0.75	AFCTB 104K506P20LB
0.15	400V.dc/450V.dc(200V.ac)	6	12	13	10	0.6	AFCTB 154K504P20LB
0.15	400V.dc/450V.dc(200V.ac)	5	11	18	15	0.75	AFCTB 154K506P20LB
0.22	400V.dc/450V.dc(200V.ac)	6	12	18	15	0.75	AFCTB 224K506P20LB
0.22	400V.dc/450V.dc(200V.ac)	6	12	26	22.5	0.75	AFCTB 224K509P20LB
0.33	400V.dc/450V.dc(200V.ac)	7.5	13.5	18	15	0.75	AFCTB 334K506P20LB
0.33	400V.dc/450V.dc(200V.ac)	6	15	26	22.5	0.75	AFCTB 334K509P20LB
0.47	400V.dc/450V.dc(200V.ac)	8.5	14.5	18	15	0.75	AFCTB 474K506P20LB
0.47	400V.dc/450V.dc(200V.ac)	6	15	26	22.5	0.75	AFCTB 474K509P20LB
0.56	400V.dc/450V.dc(200V.ac)	10	16	18	15	0.75	AFCTB 564K506P20LB
0.68	400V.dc/450V.dc(200V.ac)	10	16	18	15	0.75	AFCTB 684K506P20LB
0.68	400V.dc/450V.dc(200V.ac)	6	15	26	22.5	0.75	AFCTB 684K509P20LB
0.68	400V.dc/450V.dc(200V.ac)	9	18	31	27.5	0.75	AFCTB 684K511P20LB
1.0	400V.dc/450V.dc(200V.ac)	10	19	26.5	22.5	0.75	AFCTB 105K509P20LB
1.0	400V.dc/450V.dc(200V.ac)	9	18	31	27.5	0.75	AFCTB 105K511P20LB
1.5	400V.dc/450V.dc(200V.ac)	12	21.5	26.5	22.5	0.75	AFCTB 155K509P20LB

1.5	400V.dc/450V.dc(200V.ac)	11	20	32	27.5	0.75	AFCTB 155K511P20LB
1.8	400V.dc/450V.dc(200V.ac)	11	20	32	27.5	0.75	AFCTB 185K511P20LB
2.2	400V.dc/450V.dc(200V.ac)	13	22	31	27.5	0.75	AFCTB 225K511P20LB
3.3	400V.dc/450V.dc(200V.ac)	14	25	31.5	27.5	0.75	AFCTB 335K511P20LB
4.7	400V.dc/450V.dc(200V.ac)	16	25.5	31.5	27.5	0.75	AFCTB 475K511P20LB
6.8	400V.dc/450V.dc(200V.ac)	18	33	31	27.5	0.75	AFCTB 685K511P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part number
μF		mm					
0.0047	630V.dc(220V.ac)	4	9	13	10	0.6	AFCTB 472K604P20LB
0.0068	630V.dc(220V.ac)	4	9	13	10	0.6	AFCTB 682K604P20LB
0.010	630V.dc(220V.ac)	4	9	13	10	0.6	AFCTB 103K604P20LB
0.015	630V.dc(220V.ac)	4	9	10	7.5	0.6	AFCTB 153K603P20LB
0.015	630V.dc(220V.ac)	4	9	13	10	0.6	AFCTB 153K604P20LB
0.022	630V.dc(220V.ac)	5	11	10	7.5	0.6	AFCTB 223K603P20LB
0.022	630V.dc(220V.ac)	4	9	13	10	0.6	AFCTB 223K604P20LB
0.033	630V.dc(220V.ac)	6	12	10	7.5	0.6	AFCTB 333K603P20LB
0.033	630V.dc(220V.ac)	5	11	13	10	0.6	AFCTB 333K604P20LB
0.047	630V.dc(220V.ac)	6	12	10	7.5	0.6	AFCTB 473K603P20LB
0.047	630V.dc(220V.ac)	5	11	13	10	0.6	AFCTB 473K604P20LB
0.10	630V.dc(220V.ac)	6	12	18	15	0.75	AFCTB 104K606P20LB
0.10	630V.dc(220V.ac)	6	15	26	22.5	0.75	AFCTB 104K609P20LB
0.15	630V.dc(220V.ac)	7.5	13.5	18	15	0.75	AFCTB 154K606P20LB
0.15	630V.dc(220V.ac)	6	15	26	22.5	0.75	AFCTB 154K609P20LB
0.22	630V.dc(220V.ac)	10	16	18	15	0.75	AFCTB 224K606P20LB
0.22	630V.dc(220V.ac)	7	16.5	26.5	22.5	0.75	AFCTB 224K609P20LB
0.33	630V.dc(220V.ac)	11	19	18	15	0.75	AFCTB 334K606P20LB
0.33	630V.dc(220V.ac)	17	16.5	26.5	22.5	0.75	AFCTB 334K609P20LB
0.33	630V.dc(220V.ac)	9	18	31	27.5	0.75	AFCTB 334K611P20LB
0.47	630V.dc(220V.ac)	8.5	17	26.5	22.5	0.75	AFCTB 474K609P20LB
0.47	630V.dc(220V.ac)	9	18	31	27.5	0.75	AFCTB 474K611P20LB
0.68	630V.dc(220V.ac)	12	21.5	26.5	22.5	0.75	AFCTB 684K609P20LB
0.68	630V.dc(220V.ac)	11	20	32	27.5	0.75	AFCTB 684K611P20LB
1.0	630V.dc(220V.ac)	11	20	32	27.5	0.75	AFCTB 105K611P20LB

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	9	10	7.5	0.6	AFCTB 102K703P20LB
0.0010	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 102K704P20LB
0.0015	1000V.dc(400V.ac)	4	9	10	7.5	0.6	AFCTB 152K703P20LB
0.0015	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 152K704P20LB

0.0022	1000V.dc(400V.ac)	4	9	10	7.5	0.6	AFCTB 222K703P20LB
0.0022	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 222K704P20LB
0.0033	1000V.dc(400V.ac)	4	9	10	7.5	0.6	AFCTB 332K703P20LB
0.0033	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 332K704P20LB
0.0047	1000V.dc(400V.ac)	4	9	10	7.5	0.6	AFCTB 472K703P20LB
0.0047	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 472K704P20LB
0.0068	1000V.dc(400V.ac)	4	9	10	7.5	0.6	AFCTB 682K703P20LB
0.0068	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 682K704P20LB
0.010	1000V.dc(400V.ac)	5	11	10	7.5	0.6	AFCTB 103K703P20LB
0.010	1000V.dc(400V.ac)	4	9	13	10	0.6	AFCTB 103K704P20LB
0.010	1000V.dc(400V.ac)	5	11	18	15	0.75	AFCTB 103K706P20LB
0.015	1000V.dc(400V.ac)	6	12	10	7.5	0.6	AFCTB 153K703P20LB
0.015	1000V.dc(400V.ac)	5	11	13	10	0.6	AFCTB 153K704P20LB
0.015	1000V.dc(400V.ac)	5	11	18	15	0.75	AFCTB 153K706P20LB
0.022	1000V.dc(400V.ac)	5	11	13	10	0.6	AFCTB 223K704P20LB
0.022	1000V.dc(400V.ac)	5	11	18	15	0.75	AFCTB 223K706P20LB
0.033	1000V.dc(400V.ac)	6	12	18	15	0.75	AFCTB 333K706P20LB
0.033	1000V.dc(400V.ac)	6	15	26	22.5	0.75	AFCTB 333K709P20LB
0.047	1000V.dc(400V.ac)	6	12	18	15	0.75	AFCTB 473K706P20LB
0.047	1000V.dc(400V.ac)	6	15	26	22.5	0.75	AFCTB 473K709P20LB
0.068	1000V.dc(400V.ac)	7.5	13.5	18	15	0.75	AFCTB 683K706P20LB
0.068	1000V.dc(400V.ac)	6	15	26	22.5	0.75	AFCTB 683K709P20LB
0.10	1000V.dc(400V.ac)	8.5	14.5	18	15	0.75	AFCTB 104K706P20LB
0.10	1000V.dc(400V.ac)	6	15	26	22.5	0.75	AFCTB 104K709P20LB
0.15	1000V.dc(400V.ac)	7	16.5	26.5	22.5	0.75	AFCTB 154K709P20LB
0.15	1000V.dc(400V.ac)	9	18	31	27.5	0.75	AFCTB 154K711P20LB
0.22	1000V.dc(400V.ac)	8.5	17	26.5	22.5	0.75	AFCTB 224K709P20LB
0.22	1000V.dc(400V.ac)	9	18	31	27.5	0.75	AFCTB 224K711P20LB
0.33	1000V.dc(400V.ac)	11	20	26	22.5	0.75	AFCTB 334K709P20LB
0.33	1000V.dc(400V.ac)	11	20	32	27.5	0.75	AFCTB 334K711P20LB
0.47	1000V.dc(400V.ac)	11	20	32	27.5	0.75	AFCTB 474K711P20LB
0.68	1000V.dc(400V.ac)	16	25.5	31.5	27.5	0.75	AFCTB 684K711P20LB
1.0	1000V.dc(400V.ac)	16	25.5	31.5	27.5	0.75	AFCTB 105K711P20LB
1.5	1000V.dc(400V.ac)	22	37	32	27.5	0.75	AFCTB 155K711P20LB

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