

Metalized Polypropylene Film Capacitors Class X2

Features

- High Dielectric Strength
- Self-Healing Property
- Excellent Stability
- Low ESR and ESL
- Flame Retardant Encapsulation
- RoHS Compliant

Applications



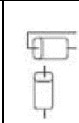




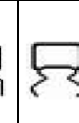



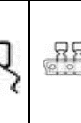
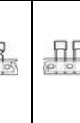
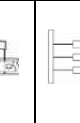
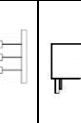
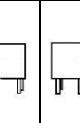
- AC Line Filtering
- Power Factor Correction
- Surge Protection.
- Switching Power Supplies
- Motor Run Applications

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

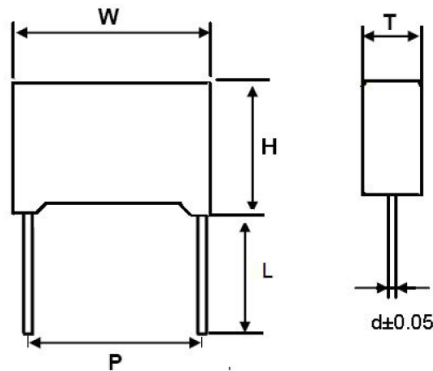
Part numbering system (example)

AFC	X2	474	K	1	06P	20	B	B	
Series code	Type: X2	Capacitance $47\text{pF} \times 10^4 = 470\text{nF}$	Capacitance tolerance	Rated voltage marking	Lead width		Lead length	Lead configuration	Packing
			J ±5%	1 310V	01P 2.5mm	20mm	See: lead configuration below	B Bulk	
			K ±10%		02P 5.0mm			T Tape	
			M ±20%		03P 7.5mm				
					nP n x 2.5mm				

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	40/110/56		
Operating temperature range	-40 ~ 110		°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	V AC	mm					
0,01	310	4	9	13	10	0.6	AFCX2 103K104P20LB
0,012	310	5	10	13	10	0.6	AFCX2 123K104P20LB
0,015	310	5	10	13	10	0.6	AFCX2 153K104P20LB
0,018	310	5	10	13	10	0.6	AFCX2 183K104P20LB
0,022	310	5	10	13	10	0.6	AFCX2 223K104P20LB
0,027	310	5	10	13	10	0.6	AFCX2 273K104P20LB
0,033	310	5	11	13	10	0.6	AFCX2 333K104P20LB
0,039	310	5	11	13	10	0.6	AFCX2 393K104P20LB
0,047	310	5	11	13	10	0.6	AFCX2 473K104P20LB
0,056	310	5	11	13	10	0.6	AFCX2 563K104P20LB
0,068	310	5	11	13	10	0.6	AFCX2 683K104P20LB
0,082	310	6	12	13	10	0.6	AFCX2 823K104P20LB
0,1	310	6	12	13	10	0.6	AFCX2 104K104P20LB
0,12	310	8	14	13	10	0.6	AFCX2 124K104P20LB
0,15	310	8	14	13	10	0.6	AFCX2 154K104P20LB

0,22	310	8	14	13	10	0.6	AFCX2 224K104P20LB
0,27	310	8	16	13	10	0.6	AFCX2 274K104P20LB
0,33	310	8	16	13	10	0.6	AFCX2 334K104P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part Number
μF	V AC	mm					
0,01	310	5	11	18	15	0.75	AFCX2 103K106P20LB
0,012	310	5	11	18	15	0.75	AFCX2 123K106P20LB
0,015	310	5	11	18	15	0.75	AFCX2 153K106P20LB
0,018	310	5	11	18	15	0.75	AFCX2 183K106P20LB
0,022	310	5	11	18	15	0.75	AFCX2 223K106P20LB
0,027	310	5	11	18	15	0.75	AFCX2 273K106P20LB
0,033	310	5	11	18	15	0.75	AFCX2 333K106P20LB
0,039	310	5	11	18	15	0.75	AFCX2 393K106P20LB
0,047	310	5	11	18	15	0.75	AFCX2 473K106P20LB
0,056	310	5	11	18	15	0.75	AFCX2 563K106P20LB
0,068	310	5	11	18	15	0.75	AFCX2 683K106P20LB
0,082	310	5	11	18	15	0.75	AFCX2 823K106P20LB
0,1	310	6	12	18	15	0.75	AFCX2 104K106P20LB
0,12	310	6	12	18	15	0.75	AFCX2 124K106P20LB
0,15	310	6	12	18	15	0.75	AFCX2 154K106P20LB
0,18	310	6	12	18	15	0.75	AFCX2 184K106P20LB
0,22	310	7,5	13.5	18	15	0.75	AFCX2 224K106P20LB
0,33	310	8.5	14.5	18	15	0.75	AFCX2 334K106P20LB
0,47	310	10	16	18	15	0.75	AFCX2 474K106P20LB
0,56	310	10	16	18	15	0.75	AFCX2 564K106P20LB
0,68	310	11	19	18	15	0.75	AFCX2 684K106P20LB
0,82	310	11.2	19.2	18	15	0.75	AFCX2 824K106P20LB
1	310	11.2	19.2	18	15	0.75	AFCX2 105K106P20LB
1,2	310	16.3	26	18	15	0.75	AFCX2 125K106P20LB
1,5	310	16.3	26	18	15	0.75	AFCX2 155K106P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part Number
μF	V AC	mm					
0,1	310	5	11	26.5	22,5	0.75	AFCX2 104K109P20LB
0,12	310	6	14.5	26.5	22,5	0.75	AFCX2 124K109P20LB
0,15	310	6	14.5	26.5	22,5	0.75	AFCX2 154K109P20LB
0,18	310	6	14.5	26.5	22,5	0.75	AFCX2 184K109P20LB
0,22	310	6	14.5	26.5	22,5	0.75	AFCX2 224K109P20LB
0,27	310	7	16.5	26.5	22,5	0.75	AFCX2 274K109P20LB
0,33	310	7.5	16.5	26.5	22,5	0.75	AFCX2 334K109P20LB

0,47	310	8.5	17	26.5	22,5	0.75	AFCX2 474K109P20LB
0,56	310	7.5	16.5	26.5	22,5	0.75	AFCX2 564K109P20LB
0,68	310	8.5	17	26.5	22,5	0.75	AFCX2 684K109P20LB
0,82	310	9	18	26.5	22,5	0.75	AFCX2 824K109P20LB
1	310	11	20	26.5	22,5	0.75	AFCX2 105K109P20LB
1,2	310	11.5	20	26.5	22,5	0.75	AFCX2 125K109P20LB
1,5	310	12	22	26.5	22,5	0.75	AFCX2 155K109P20LB
1,8	310	14	24	26.5	22,5	0.75	AFCX2 185K109P20LB
2	310	15	25	26.5	22,5	0.75	AFCX2 205K109P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part Number
μF	V AC	mm					
0,47	310	9	18	31	27,5	0.75	AFCX2 474K111P20LB
0,56	310	10	20	31	27,5	0.75	AFCX2 564K111P20LB
0,68	310	10	20	31	27,5	0.75	AFCX2 684K111P20LB
0,82	310	11	20	31	27,5	0.75	AFCX2 824K111P20LB
1	310	11	20	31	27,5	0.75	AFCX2 105K111P20LB
1,2	310	9	18	31	27,5	0.75	AFCX2 125K111P20LB
1,5	310	14	23.5	31	27,5	0.75	AFCX2 155K111P20LB
1,8	310	13	21.6	31.5	27,5	0.75	AFCX2 185K111P20LB
2	310	13	21.6	31.5	27,5	0.75	AFCX2 205K111P20LB
2,2	310	14	25	31.5	27,5	0.75	AFCX2 225K111P20LB
2,5	310	14	25	31.5	27,5	0.75	AFCX2 255K111P20LB
2,7	310	18	26	31	27,5	0.75	AFCX2 275K111P20LB
3	310	18	26	32	27,5	0.75	AFCX2 305K111P20LB
3,3	310	15.5	29	31	27,5	0.75	AFCX2 335K111P20LB
3,5	310	16	28	31	27,5	0.75	AFCX2 355K111P20LB
3,9	310	19	28	31	27,5	0.75	AFCX2 395K111P20LB
4,7	310	19	32.5	31	27,5	0.75	AFCX2 475K111P20LB
5	310	21	34.5	31	27,5	0.75	AFCX2 505K111P20LB
5,6	310	21	34.5	31	27,5	0.75	AFCX2 565K111P20LB

Product table							
Capacitance	Voltage	T ±0.5	H ±0.5	W ±0.5	P ±1.0	d ±0.05	Part Number
μF	V AC	mm					
3,3	310	14.5	26	41.5	37,5	1.0	AFCX2 335K115P20LB
3,5	310	16	27.5	41.5	37,5	1.0	AFCX2 355K115P20LB
3,9	310	16	27.5	41.5	37,5	1.0	AFCX2 395K115P20LB
4,7	310	17	30	41.5	37,5	1.0	AFCX2 475K115P20LB
5	310	18.5	31.5	41.5	37,5	1.0	AFCX2 505K115P20LB
5,6	310	18.5	31.5	41.5	37,5	1.0	AFCX2 565K115P20LB
6,8	310	22.5	35.5	41.5	37,5	1.0	AFCX2 685K115P20LB

8,2	310	25	38	41.5	37,5	1.0	AFCX2 825K115P20LB
10	310	27.5	41	41.5	37,5	1.0	AFCX2 106K115P20LB
12	310	33	48	41.5	37,5	1.0	AFCX2 126K115P20LB
15	310	39	53.5	42.5	37,5	1.0	AFCX2 156K115P20LB

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