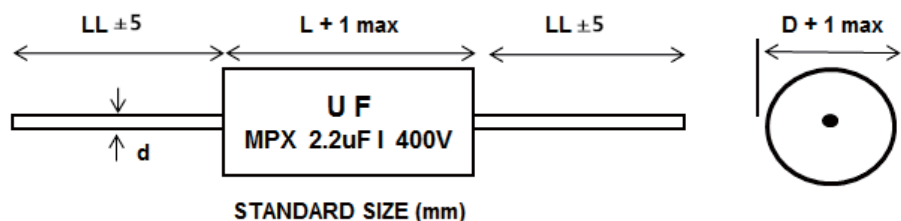




Audio Capacitors

MPX Series: Premium Metallized Polypropylene Film Capacitors, Axial Lead

MPX Series Audio Capacitors from UF Capacitors are premium, high precision metallized polypropylene film, axial lead, bipolar capacitors especially designed for audio applications. They exhibit very low ESR and inductance and handle high audio current pulses extremely well. Other features are very low dielectric absorption and dissipation factors.



FEATURES

- Quick transient design
- High Precise Capacitance $\pm 3\%$ (I), $\pm 5\%$ (J)
- Very Low Dielectric Absorption Factor
- Very Low ESR
- Very Low Dissipation Factor
- Very Low Inductance
- Welded and Hand Soldered Leads
- Excellent Handling of High Current Audio Pulses
- RoHS Compliant

SPECIFICATIONS

Passive flammability	GB10191-88 IEC384-16
Operating temperature	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Capacitance range	0.047~100uF
Capacitance tolerance	$\pm 3\%$ (I) $\pm 5\%$ (J) 1KHz
Rated voltage	250V、400V、630V.DC
Withstand voltage	1.5VR 5S
Dissipation factor	≤ 0.0020 1KHz
Insulate the electric resistance	$> 0.33\text{uF}$ $\geq 15000\text{M}\Omega$
Leads Diameter	0.6、0.8、1.0、1.2 Tinned Pure Copper

μF	250VDC					μF	250VDC				
	Dissipation at 1KHz	D	L	d	LL		Dissipation at 1KHz	D	L	d	LL
1.0uF	0.0005	10.5	21	0.8	40	5.1uF	0.0006	17	31	0.8	40
1.1uF	0.0005	11	21	0.8	40	5.6uF	0.0006	18	31	0.8	40
1.2uF	0.0005	12	21	0.8	40	6.0uF	0.0006	18.5	31	0.8	40
1.3uF	0.0005	12.5	21	0.8	40	6.2uF	0.0006	19	31	0.8	40
1.5uF	0.0005	13.5	21	0.8	40	6.8uF	0.0007	19.5	31	0.8	40
1.6uF	0.0005	14	21	0.8	40	7.0uF	0.0007	20	31	1.0	40
1.8uF	0.0005	14.5	21	0.8	40	7.5uF	0.0007	20.5	31	1.0	40
2.0uF	0.0005	13	26	0.8	40	8.0uF	0.0007	21	31	1.0	40
2.2uF	0.0005	14	26	0.8	40	8.2uF	0.0007	21.5	31	1.0	40
2.4uF	0.0005	14	26	0.8	40	9.1uF	0.0007	22.5	31	1.0	40
2.5uF	0.0005	14.5	26	0.8	40	10uF	0.0007	25	31	1.0	40
2.7uF	0.0005	14.5	26	0.8	40	11uF	0.0007	22	36	1.0	40
3.0uF	0.0005	15.5	26	0.8	40	12uF	0.0008	23	36	1.0	40
3.3uF	0.0006	16.5	26	0.8	40	13uF	0.0008	24	36	1.0	40
3.5uF	0.0006	16.5	26	0.8	40	14uF	0.0008	25	36	1.0	40
3.6uF	0.0006	16.5	26	0.8	40	15uF	0.0008	25.5	36	1.0	40
3.9uF	0.0006	17.5	26	0.8	40	16uF	0.0008	26.5	36	1.0	40
4.0uF	0.0006	17.5	26	0.8	40	18uF	0.0008	28	36	1.0	40
4.3uF	0.0006	18	26	0.8	40	20uF	0.0008	29.5	36	1.0	40
4.5uF	0.0006	18.5	26	0.8	40	22uF	0.0009	31.5	36	1.0	40
4.7uF	0.0006	18.5	26	0.8	40	24uF	0.0009	32	36	1.0	40
5.0uF	0.0006	17	31	0.8	40	27uF	0.0009	34	36	1.0	40

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μF	250VDC					μF	250VDC				
	Dissipation at 1KHz	D	L	d	LL		Dissipation at 1KHz	D	L	d	LL
28μF	0.00090	30	46	1.0	40	51μF	0.0013	40.5	49	1.0	40
30μF	0.00100	30.5	46	1.0	40	55μF	0.0013	42	49	1.0	40
33μF	0.00100	32	46	1.0	40	56μF	0.0013	42.5	49	1.0	40
36μF	0.00110	33	46	1.0	40	62μF	0.0014	39.5	59	1.0	40
39μF	0.00110	34.5	46	1.0	40	68μF	0.0014	41.5	59	1.0	40
40μF	0.00120	35	46	1.0	40	75μF	0.0014	43.5	59	1.0	40
41μF	0.00120	35.5	46	1.0	40	82μF	0.0014	45	59	1.0	40
43μF	0.00120	36	46	1.0	40	91μF	0.0014	47.5	59	1.2	40
45μF	0.00120	37	46	1.0	40	100μF	0.0014	49.5	59	1.2	40
47μF	0.00120	39	48	1.0	40	--	--	--	--	--	--
50μF	0.00130	40	49	1.0	40						

More items are available on request. We can design according to customer special requirements.

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μF	400VDC					μF	400VDC				
	Dissipation at 1KHZ	D	L	d	LL		Dissipation at 1KHZ	D	L	d	LL
0.1 μF	0.001	8	16	0.8	40	7.0 μF	0.0007	24	31	1.0	40
0.22 μF	0.001	8	21	0.8	40	7.5 μF	0.0007	24.5	31	1.0	40
0.33 μF	0.001	10	21	0.8	40	8.0 μF	0.0007	22.5	36	1.0	40
0.47 μF	0.001	11	21	0.8	40	8.2 μF	0.0007	23	36	1.0	40
0.68 μF	0.001	12	21	0.8	40	9.1 μF	0.0007	24.5	36	1.0	40
0.82 μF	0.001	13	26	0.8	40	10 μF	0.0007	25.5	36	1.0	40
1.0 μF	0.0005	13	21	0.8	40	11 μF	0.0007	27	36	1.0	40
1.1 μF	0.0005	13.5	21	0.8	40	12 μF	0.0008	27.5	36	1.0	40
1.2 μF	0.0005	14.5	21	0.8	40	13 μF	0.0008	25	46	1.0	40
1.3 μF	0.0005	12.5	26	0.8	40	14 μF	0.0008	26	46	1.0	40
1.5 μF	0.0005	13.5	26	0.8	40	15 μF	0.0008	26	46	1.0	40
1.6 μF	0.0005	14	26	0.8	40	16 μF	0.0008	27.5	46	1.0	40
1.8 μF	0.0005	14.5	26	0.8	40	18 μF	0.0008	29	46	1.0	40
2.0 μF	0.0005	15	26	0.8	40	20 μF	0.0008	30.5	46	1.0	40
2.2 μF	0.0005	16	26	0.8	40	22 μF	0.0009	32	46	1.0	40
2.4 μF	0.0005	16.5	26	0.8	40	24 μF	0.0009	33.5	46	1.0	40
2.5 μF	0.0005	17	26	0.8	40	27 μF	0.0009	35.5	46	1.0	40
2.7 μF	0.0005	17.5	26	0.8	40	28 μF	0.0009	36	46	1.0	40
3.0 μF	0.0005	18.5	26	0.8	40	30 μF	0.0010	37	46	1.0	40
3.3 μF	0.0006	19	26	0.8	40	33 μF	0.0010	40	49	1.0	40
3.5 μF	0.0006	17.5	31	0.8	40	36 μF	0.0011	41.5	49	1.0	40
3.6 μF	0.0006	17.5	31	0.8	40	39 μF	0.0011	38.5	59	1.0	40
3.9 μF	0.0006	18	31	0.8	40	40 μF	0.0012	39.0	59	1.0	40
4.0 μF	0.0006	18.5	31	0.8	40	41 μF	0.0012	39.5	59	1.0	40
4.3 μF	0.0006	19	31	0.8	40	43 μF	0.0012	40	59	1.0	40
4.5 μF	0.0006	19.5	31	0.8	40	45 μF	0.0012	41	59	1.0	40
4.7 μF	0.0006	19.5	31	0.8	40	47 μF	0.0012	42	59	1.0	40
5.0 μF	0.0006	20.5	31	1.0	40	--	--	--	--	--	--
5.1 μF	0.0006	20.5	31	1.0	40						
5.6 μF	0.0006	22.5	31	1.0	40						
6.0 μF	0.0006	22	31	1.0	40						
6.2 μF	0.0006	22.5	31	1.0	40						
6.8 μF	0.0007	24	31	1.0	40						

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μF	630VDC					μF	630VDC				
	Dissipation at 1KHz	D	L	d	LL		Dissipation at 1KHz	D	L	d	LL
4700pF	0.001	6	17	0.6	40	2.7 μF	0.0006	24	31	1.0	40
6800pF	0.001	6	17	0.6	40	3.0 μF	0.0006	25	31	1.0	40
8200pF	0.001	6	17	0.6	40	3.3 μF	0.0006	26.5	31	1.0	40
0.01 μF	0.001	7	17	0.6	40	3.5 μF	0.0006	27	31	1.0	40
0.022 μF	0.001	7	17	0.6	40	3.6 μF	0.0006	27.5	31	1.0	40
0.025 μF	0.001	7	17	0.6	40	3.9 μF	0.0006	26	36	1.0	40
0.033 μF	0.001	7	21	0.6	40	4.0 μF	0.0006	26	36	1.0	40
0.047 μF	0.001	7	21	0.6	40	4.3 μF	0.0006	27	36	1.0	40
0.05 μF	0.001	7	21	0.6	40	4.5 μF	0.0006	27.5	36	1.0	40
0.068 μF	0.001	7	21	0.6	40	4.7 μF	0.0006	28	36	1.0	40
0.056 μF	0.001	7	21	0.6	40	5.0 μF	0.0006	32	36	1.0	40
0.068 μF	0.001	8	21	0.8	40	5.1 μF	0.0006	29	36	1.0	40
0.082 μF	0.001	8	21	0.8	40	5.6 μF	0.0006	30.5	36	1.0	40
0.1 μF	0.001	9	21	0.8	40	6.0 μF	0.0007	31.5	36	1.0	40
0.22 μF	0.001	12	21	0.8	40	6.2 μF	0.0007	32	36	1.0	40
0.33 μF	0.001	13	21	0.8	40	6.8 μF	0.0007	33.5	36	1.0	40
0.47 μF	0.001	13	26	0.8	40	7.0 μF	0.0007	34	36	1.0	40
0.68 μF	0.001	14	31	0.8	40	7.5 μF	0.0007	35	36	1.0	40
0.82 μF	0.001	15	31	0.8	40	8.0 μF	0.0007	31	46	1.0	40
1.0 μF	0.0005	17	26	0.8	40	8.2 μF	0.0007	31.5	46	1.0	40
1.1 μF	0.0005	18	26	0.8	40	9.1 μF	0.0007	33	46	1.0	40
1.2 μF	0.0005	18.5	26	0.8	40	10.0 μF	0.0007	34.5	46	1.2	40
1.3 μF	0.0005	19.5	26	0.8	40	11.0 μF	0.0007	36	46	1.2	40
1.5 μF	0.0005	21	26	1.0	40	12.0 μF	0.0008	37.5	46	1.2	40
1.6 μF	0.0005	21.5	26	1.0	40	13.0 μF	0.0008	40	49	1.2	40
1.8 μF	0.0005	22.5	26	1.0	40	14.0 μF	0.0008	37	59	1.2	40
2.0 μF	0.0005	21	31	1.0	40	15.0 μF	0.0008	38	59	1.2	40
2.2 μF	0.0005	22	31	1.0	40	16.0 μF	0.0008	39	59	1.2	40
2.4 μF	0.0005	23	31	1.0	40	18.0 μF	0.0008	41.5	59	1.2	40
2.5 μF	0.0005	23	31	1.0	40	20.0 μF	0.0008	43.5	59	1.2	40

μF	1000VDC				
	Dissipation at 1KHz	D	L	d	LL
0.022 μF	0.001	7	21	0.8	40
0.033 μF	0.001	8	21	0.8	40
0.047 μF	0.001	9	21	0.8	40