MIFLEX Solutions

Powering Possibilities

Miflex Premium

Polypropylene Metallised Film Capacitors

Catalogue 2026

Designed and Manufactured in Poland

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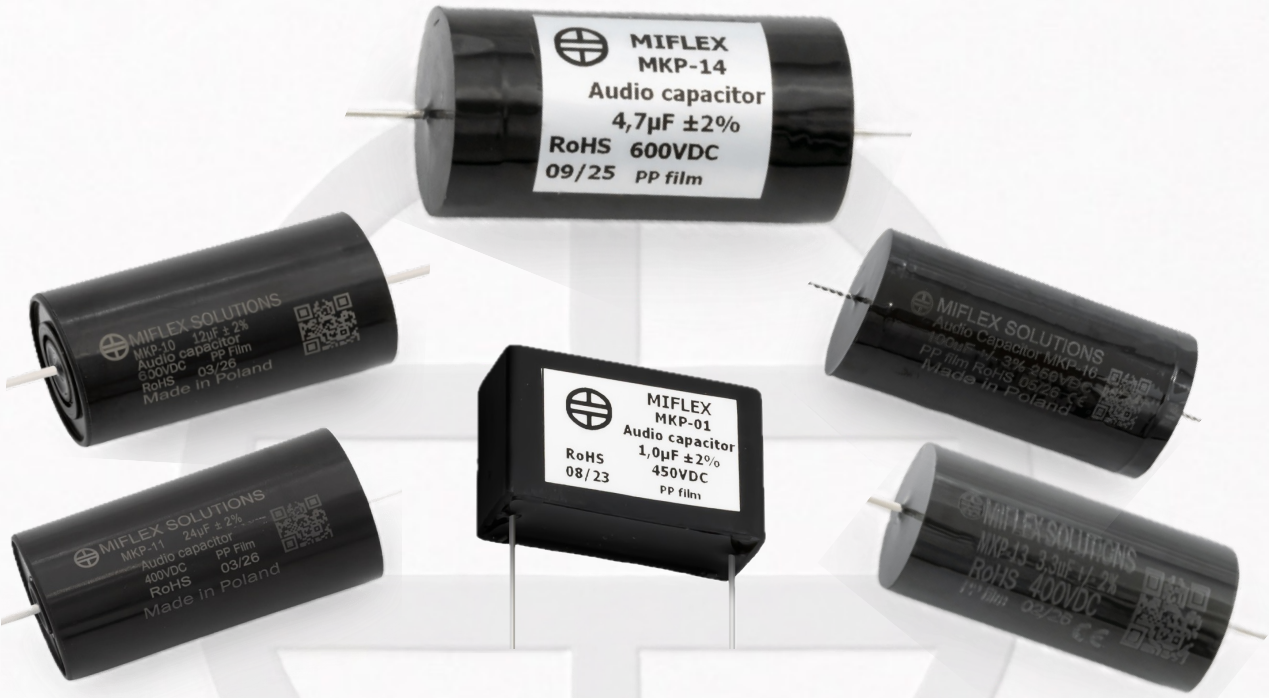
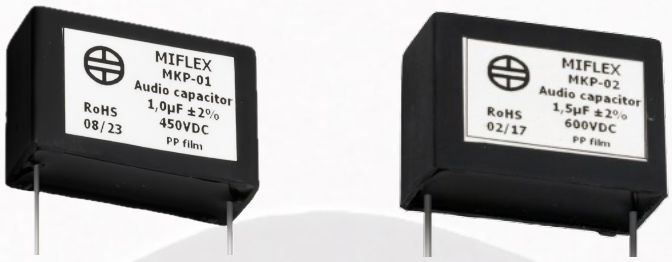
Miflex Premium Polypropylene Capacitors

MKP Polypropylene Metallised Film Range



Series	Type	Power Range	Capacitance Range (µF)	Connector
MKP-01	**Polypropylene metallised film**	450 VDC	0.10 – 8.2	15.0–37.5 (±0.5 or ±0.7)
MKP-02		600 VDC	0.015 – 2.2	10.0-37.5 (±0.5 or ±0.7)
MKP-10		600 VDC	1 - 70	Axial
MKP-11		400 VDC	1 - 100	Axial
MKP-13		400 VDC	0.1 - 47	Axial
MKP-14		600 VDC	0.1 – 47	Axial
MKP-16		250 VDC	1.0 - 150	Axial

MKP-01 / 02



MKP-01 and MKP-02 capacitors are made using **polypropylene film metallized with a special blend of zinc and aluminium**. The film used in their manufacture features self-healing properties during operation, and the capacitor winding undergoes additional oil impregnation. The housing is made from a material specifically selected for this application; its rectangular shape allows for efficient use of limited PCB surface area. The ends of the windings are metallized with a specially formulated mixture of materials—including zinc, tin, and copper—to enhance the connection between the tinned copper wire leads and the metallized winding face. The materials and manufacturing technology employed ensure high quality and durability. These capacitors are suitable for use in both DC and AC applications, provided the voltage amplitude does not exceed the rated voltage. They are protected against moisture by a resin that meets the V0 flammability standard. Every unit undergoes rigorous testing, including electrical parameter measurements and pulse testing, to ensure only high-quality products reach the market. These capacitors are designed for high-end audio equipment and can perform in demanding applications. All materials used in production comply with RoHS and REACH standards. These capacitors are designed and fully manufactured in Poland (EU) at the Miflex capacitor factory established in 1957.

MKP-01

MKP-01 offers 15 model variants

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L ±1.5 (mm)	Connector Diameter (mm)	Lead Pitch/Spacing (mm)
0.10	±2% / ±5%	18.0	14.0	5.5	15.0 ±0.5
0.15	±2% / ±5%	18.0	12.5	6.5	15.0 ±0.5
0.22	±2% / ±5%	18.0	13.5	7.5	15.0 ±0.5
0.27	±2% / ±5%	18.0	14.5	8.5	15.0 ±0.5
0.33	±2% / ±5%	18.0	17.0	8.5	15.0 ±0.5
0.47	±2% / ±5%	26.5	15.5	7.5	22.5 ±0.7
0.68	±2% / ±5%	26.5	18.5	10.5	22.5 ±0.7
1.0	±2% / ±5%	26.5	18.5	10.5	22.5 ±0.7
1.0	±2% / ±5%	31.5	20.5	11.5	27.5 ±0.7
1.5	±2% / ±5%	31.5	23.5	13.5	27.5 ±0.7
2.2	±2% / ±5%	31.5	24.5	15.0	27.5 ±0.7
3.3	±2% / ±5%	41.5	28.5	16.0	37.5 ±0.5
4.7	±2% / ±5%	41.5	33.0	18.0	37.5 ±0.5
6.8	±2% / ±5%	42.5	38.0	21.0	37.5 ±0.5
8.2	±2% / ±5%	42.5	38.0	21.0	37.5 ±0.5

MKP-02

MKP-02 offers 16 model variants

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L ±1.5 (mm)	Connector Diameter (mm)	Lead Pitch/Spacing (mm)
0.015	±5%	13.0	10.5	4.5	10.0 ±0.5
0.022	±5%	13.0	12.5	5.5	10.0 ±0.5
0.033	±5%	13.0	13.5	5.5	10.0 ±0.5
0.047	±5%	18.0	10.5	5.5	15.0 ±0.5
0.068	±5%	18.0	10.5	5.5	15.0 ±0.5
0.10	±2% / ±5%	18.0	12.5	6.5	15.0 ±0.5
0.15	±2% / ±5%	18.0	14.5	8.5	15.0 ±0.5
0.22	±2% / ±5%	18.0	17.0	8.5	15.0 ±0.5
0.22	±2% / ±5%	26.5	15.5	7.5	22.5 ±0.7
0.27	±2% / ±5%	26.5	15.5	7.5	22.5 ±0.7
0.33	±2% / ±5%	26.5	16.5	8.5	22.5 ±0.7
0.47	±2% / ±5%	26.5	18.5	10.5	22.5 ±0.7
0.68	±2% / ±5%	31.5	20.5	11.5	27.5 ±0.7
1.0	±2% / ±5%	31.5	23.5	13.5	27.5 ±0.7
1.5	±2% / ±5%	31.5	24.5	15.0	27.5 ±0.7
2.2	±2% / ±5%	41.5	28.5	16.0	37.5 ±0.7

MKP-10 / 11

MKP-10 and MKP-11 capacitors are made using **polypropylene film metallized with a special blend of zinc and aluminium**. The film used in their manufacture features self-healing properties during operation, and the capacitor winding undergoes additional oil impregnation. The housing is made of a material specifically selected for this application and features a cylindrical shape, providing further protection for the winding against environmental factors and handling. The ends of the windings are metallized using a specially formulated mixture of materials—including zinc, tin, and copper—to enhance the connection between the insulated copper wire leads and the metallized winding face. The materials and manufacturing technology employed ensure high quality and durability. These capacitors are suitable for use in both DC and AC applications, provided the voltage amplitude does not exceed the rated voltage value. They are protected against moisture by a resin that meets the V0 flammability standard. During production, these capacitors undergo specialized testing, electrical parameter measurements, and pulse testing to ensure that any substandard units are eliminated. These capacitors are designed for audio equipment and can perform in highly demanding systems. All materials used in production comply with RoHS and REACH standards. These capacitors are designed and fully manufactured in Poland (EU) at the Miflex capacitor factory established in 1957.

MKP-10

MKP-10 offers 12 model variants

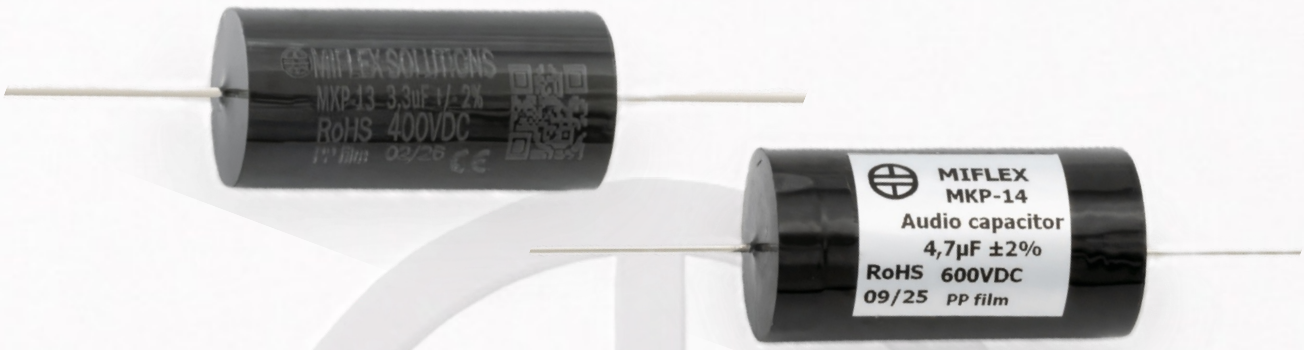
Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
1–3	±2% / ±5%	25	51	Axial
>3–5	±2% / ±5%	28	51	
>5–6	±2% / ±5%	30	53	
>6–8	±2% / ±5%	30	65	
>8–12	±2% / ±5%	35	65	
>12–14	±2% / ±5%	35	78	
>14–22	±2% / ±5%	40	78	
>22–28	±2% / ±5%	45	78	
>28–35	±2% / ±5%	50	78	
>35–50	±2% / ±5%	45	119	
>50–60	±2% / ±5%	50	119	
>60–70	±2% / ±5%	55	119	

MKP-11

MKP-11 offers 12 model variants

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
1–4	±2% / ±5%	25	51	Axial
>4–5	±2% / ±5%	28	51	
>5–6	±2% / ±5%	30	53	
>6–10	±2% / ±5%	30	65	
>10–16	±2% / ±5%	35	65	
>16–20	±2% / ±5%	35	78	
>20–30	±2% / ±5%	40	78	
>30–40	±2% / ±5%	45	78	
>40–45	±2% / ±5%	50	78	
>45–60	±2% / ±5%	45	119	
>60–75	±2% / ±5%	50	119	
>75–100	±2% / ±5%	55	119	

MKP-13 / 14



MKP-13 and MKP-14 capacitors are made using **polypropylene film metallized with a special blend of zinc and aluminium**. The film used possesses self-healing properties during operation, and the wound element undergoes additional oil impregnation. The capacitors feature a cylindrical shape and are encased in specialized electrical insulation tape selected specifically for this type of application. The ends of the windings are metallized using a specially selected mixture of materials—such as zinc, tin, and copper—to enhance the connection between the tinned copper wire leads and the metallized winding ends. The materials and manufacturing technology employed ensure high quality and durability. These capacitors are suitable for use in both DC and AC applications, provided the voltage amplitude does not exceed the rated voltage value. They are protected against moisture by a resin that meets the V0 flammability standard. Every capacitor undergoes a rigorous testing and measurement process—including electrical parameter checks and pulse testing—to eliminate any defective units. These capacitors are designed for audio equipment and can perform in highly demanding applications. All materials used in production comply with RoHS and REACH standards. These capacitors are designed and fully manufactured in Poland (EU) at the Miflex capacitor factory established in 1957.

MKP-13

MKP-13 offers 34 model variants

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
0.10	±5%	8.3	16	Axial
0.12	±5%	8.9	16	
0.15	±5%	9.8	16	
0.18	±5%	10.5	16	
0.22	±5%	9.7	16	
0.27	±5%	10.6	16	
0.33	±5%	11.5	16	
0.39	±5%	12.4	16	
0.47	±5%	13.4	16	
0.56	±5%	14.5	16	
0.68	±5%	11.9	22	
0.82	±5%	12.9	22	
1.0	±2% / ±5%	14.0	22	
1.2	±2% / ±5%	12.6	30	
1.5	±2% / ±5%	13.5	30	
1.8	±2% / ±5%	15.0	30	
2.2	±2% / ±5%	16.5	30	
2.7	±2% / ±5%	16.5	34	
3.3	±2% / ±5%	18.0	34	
3.9	±2% / ±5%	19.0	34	
4.7	±2% / ±5%	21.0	34	
5.6	±2% / ±5%	22.5	34	
6.8	±2% / ±5%	25.0	34	
8.2	±2% / ±5%	24.5	39	

MKP-13

MKP-13 Continued.

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
10.0	±2% / ±5%	27.0	39	Axial
12.0	±2% / ±5%	27.0	44	
15.0	±2% / ±5%	30.0	44	
18.0	±2% / ±5%	30.0	61	
22.0	±2% / ±5%	32.5	61	
25.0	±2% / ±5%	34.5	61	
27.0	±2% / ±5%	35.5	61	
33.0	±2% / ±5%	39.0	61	
39.0	±2% / ±5%	42.0	61	
47.0	±2% / ±5%	45.5	61	

MKP-14

MKP-14 offers 34 model variants

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
0.10	±5%	8.3	22	Axial
0.12	±5%	8.9	22	
0.15	±5%	9.7	22	
0.18	±5%	10.5	22	
0.22	±5%	11.4	22	
0.27	±5%	12.4	22	
0.33	±5%	13.5	22	
0.39	±5%	14.6	22	
0.47	±5%	12.0	30	
0.56	±5%	12.9	30	
0.68	±5%	14.1	30	
0.82	±5%	15.3	30	
1.0	±2% / ±5%	16.7	30	
1.2	±2% / ±5%	18.2	30	
1.5	±2% / ±5%	20.1	30	
1.8	±2% / ±5%	21.9	30	
2.2	±2% / ±5%	24.1	30	
2.7	±2% / ±5%	26.5	30	
3.3	±2% / ±5%	26.2	34	
3.9	±2% / ±5%	28.4	34	
4.7	±2% / ±5%	24.0	44	
5.6	±2% / ±5%	26.0	44	
6.8	±2% / ±5%	28.5	44	
8.2	±2% / ±5%	31.2	62	

MKP-14

MKP-14 Continued.

Rated Capacitance (µF)	Capacitance Tolerance	D ±1 (mm)	L +3/-2 (mm)	Connector Type
10	±2% / ±5%	30.5	62	Axial
12	±2% / ±5%	32.8	62	
15	±2% / ±5%	36.7	62	
18	±2% / ±5%	39.3	62	
22	±2% / ±5%	43.0	62	
25	±2% / ±5%	45.6	62	
27	±2% / ±5%	47.3	87	
33	±2% / ±5%	37.2	112	
39	±2% / ±5%	40.0	112	
47	±2% / ±5%	43.5	112	

MKP-16

MKP-16 capacitors are made using **polypropylene film metallized with a special blend of zinc and aluminium**. The film employed features self-healing properties during operation, and the wound element undergoes additional oil impregnation. The capacitor body is wrapped in specialized electrical insulation tape selected for this specific application, resulting in a cylindrical shape. The ends of the windings are metallized using a specially selected mixture of materials—such as zinc, tin, and copper—to enhance the connection between the tinned copper wire leads and the metallized winding face. The materials and manufacturing technology employed ensure high quality and durability. These capacitors are suitable for use in both DC and AC applications, provided the voltage amplitude does not exceed the rated voltage value. They are protected against moisture by a resin that meets the V0 flammability standard. Throughout production, the capacitors undergo rigorous testing, including electrical parameter measurements and pulse testing, to eliminate any defective units. These capacitors are designed for high-end audio equipment and can perform in demanding applications. All materials used in production comply with RoHS and REACH standards. These capacitors are designed and fully manufactured in Poland (EU) at the Miflex capacitor factory established in 1957.

MKP-16

MKP-16 offers 35 model variants

Rated Capacitance (μF)	Capacitance Tolerance	D max (mm)	L +3/-2 (mm)	Ød (mm)	Connector Type
1.0	±3%	11.5	21	Solid Wire 0.6	
1.2	±3%	12.5	21	Solid Wire 0.6	
1.5	±3%	13.8	21	Solid Wire 0.6	
1.8	±3%	11.9	29	Solid Wire 0.6	
2.2	±3%	13.0	29	Solid Wire 0.8	
2.7	±3%	14.2	29	Solid Wire 0.8	
3.3	±3%	15.6	29	Solid Wire 0.8	
3.9	±3%	16.8	29	Solid Wire 0.8	
4.7	±3%	16.6	33	Solid Wire 0.8	
5.6	±3%	18.0	33	Solid Wire 0.8	
6.8	±3%	15.4	38	Solid Wire 0.8	
8.0	±3%	19.8	38	Solid Wire 0.8	
8.2	±3%	19.1	43	Solid Wire 0.8	
10	±3%	20.8	43	Solid Wire 0.8	
12	±3%	22.6	43	Solid Wire 1.0	
15	±3%	25.0	43	Solid Wire 1.0	
18	±3%	27.1	43	Solid Wire 1.0	
22	±3%	24.9	60	Solid Wire 1.0	Axial
24	±3%	25.9	60	Solid Wire 1.0	
27	±3%	27.3	60	Solid Wire 1.0	
33	±3%	31.1	60	twisted pair (2×0.8)	
39	±3%	33.4	60	twisted pair (2×0.8)	
45	±3%	35.6	60	twisted pair (2×0.8)	
47	±3%	36.3	60	twisted pair (2×0.8)	
56	±3%	39.2	60	twisted pair (2×0.8)	
60	±3%	40.4	60	twisted pair (2×0.8)	
68	±3%	42.8	60	twisted pair (2×0.8)	
72	±3%	43.9	60	twisted pair (2×0.8)	
75	±3%	44.7	60	twisted pair (2×0.8)	
80	±3%	46.1	60	twisted pair (2×0.8)	
82	±3%	38.3	85	twisted pair (2×0.8)	
90	±3%	39.9	85	twisted pair (2×0.8)	
100	±3%	41.8	85	twisted pair (2×0.8)	
120	±3%	39.7	110	twisted pair (2×0.8)	
150	±3%	43.3	110	twisted pair (2×0.8)	

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