

Metallized polyester capacitors, axial, oval, 4 wire leads

Type MKT-4 df

Applications

- General Electronics
- High Reliability Circuits

Main Characteristics

- Nominal Voltage U_n : 40 VDC to 630 VDC
- Dry film technology
- Climatic category 40/105/56
- Tolerances $\pm 20\%$, $\pm 10\%$, $\pm 5\%$, $\pm 2\%$, $\pm 1\%$

Design Data

- Metallized polyester
- Tinned copper axial leads
- Epoxy resin end-seal (UL-V0)
- Marking to indicate outer foil on request

Mounting

- Indifferent positioning



MKT-4 df

1.0 Rated Values and Operational Data

DC	Nominal Voltage U_R [VDC]	$\leq 85^\circ\text{C}$	63	100	160	250	400	630
	Category Voltage U_C [VDC]	$\leq 100^\circ\text{C}$	50	80	130	200	320	500
	Test Voltage U_T [VDC]	2s / 23°C	100	160	260	400	640	1000
AC	Nominal Voltage $U_{N-50/60}$ Hz [VAC]	$\leq 85^\circ\text{C}$	40	63	100	160	200	220
		$\leq 100^\circ\text{C}$	30	40	70	110	140	150
	Maximum Transitory Voltage $<U_{MAX}$	$\leq 85^\circ\text{C}$	50	80	125	200	250	275

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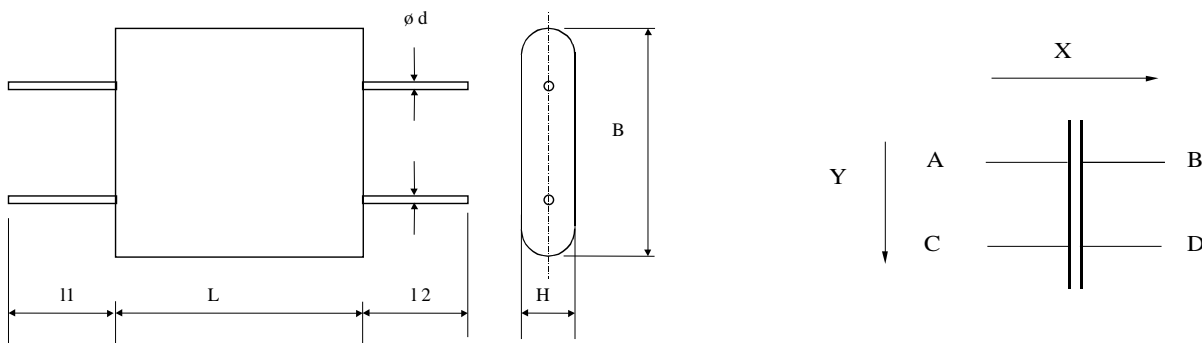
Type MKT-4 df

2.0 Capacitance Range

C _N >	1nF	22nF	33nF	68nF	0.22µF	0.47µF	2.2 µF	4.7µF	10µF	33µF
40 VDC										
63 VDC										
160 VDC										
250 VDC										
400 VDC										
630 VDC										

3.0 Dimensions, Shape

The capacitors are delivered in bulk.



Metallized polyester capacitors, axial, oval, 4 wire leads

Type MKT-4 df

MKT-4 df 40 VDC

Pos.	Type	Cn [μF]	Dimension					
			Dim.	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4	5
1	MKT-4 BDF 4-033	0.330	1	8.0	5.0	14.0	5.08	0.60
2	MKT-4 BDF 4-047	0.470	3	9.0	6.0	14.0	5.08	0.60
3	MKT-4 BDF 4-068	0.68	12	10.0	5.0	16.0	5.08	0.60
4	MKT-4 BDF 4-1.0	1.00	13	11.0	6.0	16.0	5.08	0.60
5	MKT-4 BDF 4-1.5	1.50	14	13.0	7.0	16.0	5.08	0.60
6	MKT-4 BDF 4-2.2	2.20	16	15.0	9.0	16.0	5.08	0.60
7	MKT-4 BDF 4-3.3	3.30	22	12.0	7.0	21.0	5.08	0.80
8	MKT-4 BDF 4-4.7	4.70	36	14.0	10.0	34.0	5.08	0.80
9	MKT-4 BDF 4-6.8	6.80	39	17.0	11.5	34.0	10.16	0.80
10	MKT-4 BDF 4-10.0	10.0	40	19.0	12.0	34.0	12.70	0.80
11	MKT-4 BDF 4-15.0	15.0	48	22.0	14.0	34.0	12.70	0.80
12	MKT-4 BDF 4-22.0	22.0	50	27.0	14.0	34.0	12.70	0.80
13	MKT-4 BDF 4-33.0	33.0	55	27.0	18.0	34.0	12.70	0.80

MKT-4 df 63 VDC

Pos.	Type	Cn [μF]	Dimension					
			Dim.	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4	5
1	MKT-4 BDF 6-022	0.220	6	12.0	9.0	14.0	5.08	0.6
2	MKT-4 BDF 6-033	0.330	9	13.5	10.5	14.0	5.08	0.6
3	MKT-4 BDF 6-047	0.470	13	11.0	6.0	16.0	5.08	0.6
4	MKT-4 BDF 6-068	0.680	20	13.5	10.5	16.0	5.08	0.6
5	MKT-4 BDF 6-1.0	1.00	26	12.5	9.5	21.0	5.08	0.8
6	MKT-4 BDF 6-1.5	1.5	30	15.0	11.0	21.0	7.62	0.8
7	MKT-4 BDF 6-2.2	2.2	34	12.5	9.0	34.0	5.08	0.8
8	MKT-4 BDF 6-3.3	3.3	37	14.0	11.0	34.0	5.08	0.8
9	MKT-4 BDF 6-4.7	4.7	46	16.5	13.5	34.0	7.62	0.8
10	MKT-4 BDF 6-6.8	6.8	45	22.0	13.0	34.0	10.16	0.8
11	MKT-4 BDF 6-10.0	10.0	52	24.0	15.0	34.0	10.16	0.8
12	MKT-4 BDF 6-15.0	15.0	58	26.0	17.0	45.0	12.70	1.0
13	MKT-4 BDF 6-22.0	22.0	58	26.0	17.0	45.0	12.70	1.0
14	MKT-4 BDF 6-33.0	33.0	59	32.0	21.0	45.0	12.70	1.0

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Type MKT-4 df

MKT-4 df 160 VDC

Pos.	Type	Cn [μF]	Dimension					
			Dim.	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4.00	5.00
1	MKT-4 BDF 16-168	0.068	6	12.0	9.0	14.0	5.08	0.6
2	MKT-4 BDF 16-010	0.100	8	13.0	10.0	14.0	5.08	0.6
3	MKT-4 BDF 16-015	0.150	15	12.0	9.0	16.0	5.08	0.6
4	MKT-4 BDF 16-022	0.22	18	12.5	9.5	16.0	5.08	0.6
5	MKT-4 BDF 16-033	0.33	25	13.0	9.0	21.0	5.08	0.8
6	MKT-4 BDF 16-047	0.47	27	13.0	10.0	21.0	5.08	0.8
7	MKT-4 BDF 16-068	0.68	34	12.5	9.0	34.0	5.08	0.8
8	MKT-4 BDF 16-1.0	1.0	35	13.0	10.0	34.0	5.08	0.8
9	MKT-4 BDF 16-1.5	1.5	41	16.0	12.5	34.0	7.62	0.8
10	MKT-4 BDF 16-2.2	2.2	44	17.0	13.0	34.0	7.62	0.8
11	MKT-4 BDF 16-3.3	3.3	49	23.0	14.0	34.0	10.16	0.8

MKT-4 df 250 VDC

B4F6 Pos.	Type	Cn [μF]	Dimension					
			Dim.	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4	5
1	MKT-4 BDF 25-133	0.033	7	12.5	9.5	14.0	5.08	0.6
2	MKT-4 BDF 25-147	0.047	9	13.5	10.5	14.0	5.08	0.6
3	MKT-4 BDF 25-168	0.068	15	12.0	9.0	16.0	5.08	0.6
4	MKT-4 BDF 25-010	0.100	20	13.5	10.5	16.0	5.08	0.6
5	MKT-4 BDF 25-015	0.150	26	12.5	9.5	21.0	5.08	0.8
6	MKT-4 BDF 25-022	0.220	29	14.0	10.0	21.0	5.08	0.8
7	MKT-4 BDF 25-033	0.330	34	12.5	9.0	34.0	5.08	0.8
8	MKT-4 BDF 25-047	0.470	37	14.0	11.0	34.0	5.08	0.8
9	MKT-4 BDF 25-068	0.680	41	16.0	12.5	34.0	7.62	0.8
10	MKT-4 BDF 25-1.0	1.00	47	17.0	14.0	34.0	7.62	0.8
11	MKT-4 BDF 25-1.5	1.50	52	24.0	15.0	34.0	10.16	0.8
12	MKT-4 BDF 25-2.2	2.20	55	27.0	18.0	34.0	12.70	0.8
13	MKT-4 BDF 25-3.3	3.30	58	26.0	17.0	45.0	12.70	1.0
14	MKT-4 BDF 25-4.7	4.70	59	32.0	21.0	45.0	12.70	1.0

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MKT-4 df 400 VDC								
Pos.	Type	Cn [μF]	Dimension					
			Dim.	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4	5
1	MKT-4 BDF 40-122	0.022	7	12.5	9.5	14.0	5.08	0.6
2	MKT-4 BDF 40-133	0.033	11	14.0	11.0	14.0	5.08	0.6
3	MKT-4 BDF 40-147	0.047	18	12.5	9.5	16.0	5.08	0.6
4	MKT-4 BDF 40-168	0.068	26	12.5	9.5	21.0	5.08	0.8
5	MKT-4 BDF 40-010	0.100	27	13.0	10.0	21.0	5.08	0.8
6	MKT-4 BDF 40-015	0.150	31	14.5	11.5	21.0	5.08	0.8
7	MKT-4 BDF 40-022	0.220	34	12.5	9.0	34.0	5.08	0.8
8	MKT-4 BDF 40-033	0.330	37	14.0	11.0	34.0	5.08	0.8
9	MKT-4 BDF 40-047	0.470	41	16.0	12.5	34.0	7.62	0.8
10	MKT-4 BDF 40-068	0.680	42	21.0	12.5	34.0	10.16	0.8
11	MKT-4 BDF 40-1.0	1.0	52	24.0	15.0	34.0	10.16	0.8
12	MKT-4 BDF 40-1.5	1.5	58	26.0	17.0	45.0	12.70	1.0
13	MKT-4 BDF 40-2.2	2.2	58	26.0	17.0	45.0	12.70	1.0
14	MKT-4 BDF 40-3.3	3.3	59	32.0	21.0	45.0	12.70	1.0
15	MKT-4 BDF 40-4.7	4.7	60	37.0	26.0	45.0	12.70	1.0

MKT-4 df 630 VDC								
Pos.	Type	Cn [μF]	Dimension					
			Case	B [mm]	H [mm]	L [mm]	X [mm]	ø [mm]
				1	2	3	4	5
1	MKT-4 BDF 63-210	0.0010	5	11.0	8.0	14.0	5.08	0.6
2	MKT-4 BDF 63-215	0.0015	5	11.0	8.0	14.0	5.08	0.6
3	MKT-4 BDF 63-222	0.0022	6	12.0	9.0	14.0	5.08	0.6
4	MKT-4 BDF 63-233	0.0033	6	12.0	9.0	14.0	5.08	0.6
5	MKT-4 BDF 63-247	0.0047	6	12.0	9.0	14.0	5.08	0.6
6	MKT-4 BDF 63-268	0.0068	6	12.0	9.0	14.0	5.08	0.6
7	MKT-4 BDF 63-110	0.010	7	12.5	9.5	14.0	5.08	0.6
8	MKT-4 BDF 63-115	0.015	11	14.0	11.0	14.0	5.08	0.6
9	MKT-4 BDF 63-122	0.022	18	12.5	9.5	16.0	5.08	0.6
10	MKT-4 BDF 63-133	0.033	26	12.5	9.5	21.0	5.08	0.8
11	MKT-4 BDF 63-147	0.047	27	13.0	10.0	21.0	5.08	0.8
12	MKT-4 BDF 63-168	0.068	30	15.0	11.0	21.0	7.62	0.8
13	MKT-4 BDF 63-010	0.100	32	17.0	13.0	21.0	7.62	0.8
14	MKT-4 BDF 63-015	0.150	37	14.0	11.0	34.0	5.08	0.8
15	MKT-4 BDF 63-022	0.220	46	16.5	13.5	34.0	7.62	0.8
16	MKT-4 BDF 63-033	0.330	51	19.0	15.0	34.0	7.62	0.8
17	MKT-4 BDF 63-047	0.470	54	21.0	18.0	34.0	10.16	0.8
18	MKT-4 BDF 63-068	0.680	56	28.0	19.0	34.0	12.70	0.6
19	MKT-4 BDF 63-1.0	1.0	57	32.0	23.0	34.0	12.70	0.6
20	MKT-4 BDF 63-1.5	1.5	59	32.0	21.0	45.0	12.70	1.0
21	MKT-4 BDF 63-2.2	2.2	60	37.0	26.0	45.0	12.70	1.0