

Metallized Polyester Film Capacitors

MPMEF Series - Radial leaded

multicomp PRO



Features

- Metallized polyester film, non-inductive wound construction.
- Wide capacitance range, small size, and light weight.
- Self-healing
- Flame retardation epoxy resin coating

Applications

- Suitable for blocking, by-pass and coupling of DC and signals to VHF range.
- Widely used in filter and low pulse circuits.

Specifications

Reference Standard	: GB/T7332 (IEC 60384-2)
Climatic Category	: 40/105/21
Rated Temperature	: +85°C
Operating Temperature Range	: -40°C to +105°C (+85°C to + 105°C: decreasing factor 1.25% per °C for U_R)
Rated Voltage	: 250V, 400V, 630V
Capacitance Range	: 0.01 μ F to 4.7 μ F
Capacitance Tolerance	: \pm 5% (J)
Voltage Proof	: 1.6 U_R (5s)
Dissipation Factor	: \leq 1% (1kHz, 20°C)
Insulation Resistance	: $U_R \leq 100V \geq 3,750M\Omega$ $C_n \leq 0.33\mu F$ (20°C, 100V, 1min) $U_R \leq 100V \geq 1,250s$ $C_n > 0.33\mu F$ (20°C, 100V, 1min) $U_R > 100V \geq 30,000M\Omega$ $C_n \leq 0.33\mu F$ (20°C, 100V, 1min) $U_R > 100V \geq 5000s$ $C_n > 0.33\mu F$ (20°C, 100V, 1min)

Max. Pulse Rise Time:

U_R (V)	dV/dt (V/ μ s) for pattern III				
	P=7.5	P=10	P=15	P=22.5	P=27.5
250	30	20	12	8	5
400	40	30	20	10	7
630	-	40	25	12	10

Note: If the working voltage(U) is lower than the rated voltage (U_R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtained by multiplying the right value with U_R/U .

Dimensions : Millimetres

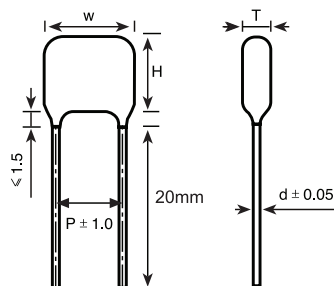
multicomp PRO

Metallized Polyester Film Capacitors

MPMEF Series - Radial leaded

multicomp PRO

Dimensions



Part Number	W	H	T	P	d (Lead Dia.)
MPMEF400S10J0F200	12	7.5	4	10	0.6
MPMEF630S10J0F200	12	10.5	6.5	10	0.6
MPMEF400S22J0F200	12	7.5	4	10	0.6
MPMEF630S22J0F200	12	11	7	10	0.6
MPMEF400S33J0F200	12	7.5	4	10	0.6
MPMEF630S33J0F200	12	11.5	7.5	10	0.6
MPMEF400S47J0F200	12	8	4	10	0.6
MPMEF400S68J0F200	12	9	5	10	0.6
MPMEF250P10J0F200	12	7.5	4	10	0.6
MPMEF400P10J0F200	12	10	5.5	10	0.6
MPMEF630P10J0I200	18	10	5	15	0.8
MPMEF250P22J0F200	12	9	5	10	0.6
MPMEF400P22J0F200	12	11	7	10	0.6
MPMEF630P22J0I200	18	12	7	15	0.8
MPMEF250P33J0F200	12	11	5.5	10	0.6
MPMEF400P33J0F200	12	12.5	7.5	10	0.6
MPMEF630P33J0I200	18	13.5	8.5	15	0.8
MPMEF250P47J0F200	12	12	6.5	10	0.6
MPMEF400P47J0I200	18	13.5	8.5	15	0.8
MPMEF630P47J0I200	18	16	9	15	0.8
MPMEF400P68J0I200	18	15	10	15	0.8
MPMEF250W15J0I200	18	15.5	8.5	15	0.8
MPMEF400W15J0N200	25	17	8.5	22.5	0.8
MPMEF250W10J0I200	18	14	7	15	0.8
MPMEF400W10J0N200	25	15	6.5	22.5	0.8
MPMEF630W10J0N200	25	18.5	10	22.5	0.8
MPMEF250W22J0I200	18	17.5	10.5	15	0.8
MPMEF630W22J0N200	25	25	15	22.5	0.8
MPMEF250W33J0N200	25	17	10	22.5	0.8
MPMEF250W47J0N200	25	20	11.5	22.5	0.8

Dimensions : Millimetres

multicomp PRO

Metallized Polyester Film Capacitors

MPMEF Series - Radial leaded

multicomp PRO

Part Number Table

Description	Part Number
Film Capacitor, 0.1 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250P10J0F200
Film Capacitor, 0.22 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250P22J0F200
Film Capacitor, 0.33 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250P33J0F200
Film Capacitor, 0.47 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250P47J0F200
Film Capacitor, 1 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250W10J0I200
Film Capacitor, 1.5 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250W15J0I200
Film Capacitor, 2.2 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250W22J0I200
Film Capacitor, 3.3 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250W33J0N200
Film Capacitor, 4.7 μ F, 250V, \pm 5%, Radial Leaded	MPMEF250W47J0N200
Film Capacitor, 0.01 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400S10J0F200
Film Capacitor, 0.022 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400S22J0F200
Film Capacitor, 0.033 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400S33J0F200
Film Capacitor, 0.047 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400S47J0F200
Film Capacitor, 0.068 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400S68J0F200
Film Capacitor, 0.1 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400P10J0F200
Film Capacitor, 0.22 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400P22J0F200
Film Capacitor, 0.33 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400P33J0F200
Film Capacitor, 0.47 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400P47J0I200
Film Capacitor, 0.68 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400P68J0I200
Film Capacitor, 1 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400W10J0N200
Film Capacitor, 1.5 μ F, 400V, \pm 5%, Radial Leaded	MPMEF400W15J0N200
Film Capacitor, 0.01 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630S10J0F200
Film Capacitor, 0.022 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630S22J0F200
Film Capacitor, 0.033 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630S33J0F200
Film Capacitor, 0.1 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630P10J0I200
Film Capacitor, 0.22 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630P22J0I200
Film Capacitor, 0.33 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630P33J0I200
Film Capacitor, 0.47 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630P47J0I200
Film Capacitor, 1 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630W10J0N200
Film Capacitor, 2.2 μ F, 630V, \pm 5%, Radial Leaded	MPMEF630W22J0N200

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

multicomp PRO