Selectronic GmbH

Selectronic GmbH
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General information

Plastic film capacitors are wound capacitors for various application areas. Depending on the requested characteristics, we provide various winding types, dielectrics, coatings and bondings of the leads used. By the use of different materials and the selection of the appropriate manufacturing methods and design a large range of offer arises.

The dielectric of these capacitors is composed of plastic film on which metal films are vacuum metallised. Due to the contacting with the metal spray process, all the windings get contacted. Herewith, the capacitor gets a low inductance and low damping.

The capacitors have the capacity of self healing. The electric arc resulting from a dielectric puncture vaporises the metallised film in the proximity of the point of puncture whereby a metal-free zone arises in the circumference of the point of puncture. Thereby, the full isolation of the dielectric is guaranteed.

Classification of the capacitors by dielectric:

MKT = polyester film, metallised with aluminium

MKP = polypropylene film, metallised with zinc

MKC = polycarbonate film, metallised with aluminium

The identification of the plastic film capacitors is made out of 3 letters.

The letter K means that it is a capacitor with plastic film as dielectric.

The letter after the K designates the material of the dielectric.
(T = Polyester film, P = Polypropylene film, C = Polycarbonate film).

The letter M before the K means that the capacitor has vacuum metallised coatings.

MKT-capacitors

are characterised by high dielectric and pulse strength as well as heat resistance. The big C-values in smallest dimensions are obtained by the high dielectric constant.

MKP-capacitors

are characterised by a low loss factor, high proof voltage and high insulating resistance. Due to the low dielectric constant, the volume of these capacitors is higher in comparison to polyester capacitors. The capacitors are particularly applicable to be used with ac voltage.

MKC-capacitors

Polycarbonate capacitors on request.

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Applications

Motor Capacitors

MKT Capacitors U_N = 70-160 V AC

MKP Capacitors U_N = 250-400 V AC normal requirements

MKP Capacitors U_N = 500-600 V AC increased requirements

DC-Voltage Filter Capacitors

MKT Capacitors U_N = 160-1000 V DC

MKP Capacitors U_N = 400-1000 V DC especially used for DC-Voltage with superimposed AC Voltage

GAD-viva Audio-cap Capacitors for High End Audio-technology

Teflon - Capacitors with Silver-Gold metallization U_N = 400-800 V AC

MKP Capacitors with Silver-Gold metallization U_N = 400-800 V AC

MKP Capacitors U_N = 250-400 V AC

AC-Voltage Capacitors, Coupling Capacitors, Audio Filter Capacitors

MKT Capacitors U_N = 70-200 V AC

MKP Capacitors U_N = 250-400 V AC normal requirements

MKP Capacitors U_N = 500-600 V AC increased requirements

Anti Interference Capacitors, Impulse Capacitor

MKP RC combination U_N = 160-250 V AC to extend the lifetime of relay contacts and for anti-interference

MKT Capacitors U_N = 400-1000 V DC

Special Constructions

Challenge our capacities.

We are challenged by your special requests on which we have specialised. A large vertical range of manufacture enables us a fast reaction in the prompt manufacturing of patterns also for „customised solutions“. We meet with great accuracy and competence the requirements of our customers and realise them to their complete satisfaction.

According to your requests, we produce capacitors with:

– special designs

– special dimensions

– every intermediate capacity

– wire length as the customer wishes

– special length of flexible wire

Our special service: Sampling within one week.

Types overview

MKT-HME
Plastic cup, radial design.
Dielectric: Polyester, Capacitance 0,1 µF up to 80 µF
Voltage: 160 V DC / 70 V AC up to 1000 V DC / 250 V AC

MKT-PME
Plastic cup, radial design.
Dielectric: Polypropylene, Capacitance 0,047 µF up to 15 µF
Voltage: 400 V AC / 630 V DC up to 600 V AC / 1000 V DC

MKP-PMEM
Plastic cup, radial design.
Dielectric: Polypropylene, Capacitance 0,15 µF up to 15 µF
2,0µF - 5,0µF VDE-mark, 400 V AC, HPFNT
Voltage: 400 V AC / 630 V DC up to 600 V AC / 1000 V DC

MKT-HMF
Plastic film bandaged, flat winding, axial design.
Dielectric: Polyester, Capacitance 0,1 µF up to 80 µF
Voltage: 160 V DC / 70 V AC up to 1000 V DC / 250 V AC

MKP-PMF
Plastic film bandaged, flat winding, axial design.
Dielectric: Polypropylene, Capacitance 0,047 µF up to 15 µF
Voltage: 250 V AC / 400 V DC up to 600 V AC / 1000 V DC

MKP-PMF/ST
Plastic film bandaged, flat winding, axial design.
Dielectric: Polypropylene with internal series connection .
Voltage: 500 V AC / 800 V DC up to 600 V AC / 1000 V DC

MKT-HMF/B
Plastic cup, axial design.
Dielectric: Polyester, Capacitance 0,1 µF up to 36 µF
Voltage: 160 V DC / 70 V AC up to 1000 V DC / 250 V AC

MKP-PMF/B
Plastic cup, axial design.
Dielectric: Polypropylene, Capacitance 0,047 µF up to 5 µF
Voltage: 250 V AC / 400 V DC up to 600 V AC / 1000 V DC

MKT-AZ
Aluminium cup, cylindrical design, thread M8 / M12
Dielectric: Polyester, Capacitance 1 µF up to 230 µF
Voltage: 160 V DC / 70 V AC bis 250 V DC / 160 V AC

MKP-AZ
Aluminium cup, cylindrical design, thread M8 / M12
Dielectric: Polypropylene, Capacitance 0,056 µF up to 40 µF
Voltage: 250 V AC / 400 V DC up to 600 V AC / 1000 V DC

MKP-PME/RC
RC-combination, Plastic cup, radial design.
Dielectric: Polypropylene, Capacitance : 0,1µF up to 1,0µF
Voltage: 160V AC / 250V DC up to 250V AC / 630V DC

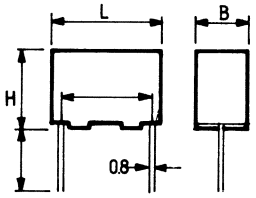
MKT-HMR
Plastic film bandaged, round winding, axial design.
Dielectric: Polyester, Capacitance 0,1 µF up to 150 µF
Voltage: 160 V DC / 70 V AC up to 1000 V DC / 250 V AC

MKP-PMR
Plastic film bandaged, round winding, axial design.
Dielectric: Polypropylene, Capacitance 0,068 µF up to 50 µF
Voltage: 250 V AC / 400 V DC up to 600 V AC / 1000 V DC

GAD viva Audiocap High performance Audio Capacitors, axial design
Plastic cup or Plastic film bandaged, round winding,
Dielectric: Polypropylene or Teflon.
Silver-Gold-metallised for highest quality.
Voltage: 250 V AC / 400 V DC up to 800 V AC / 1200 V DC

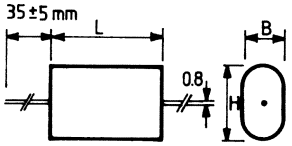
Design forms

MKT-HME
MKP-PME
MKP-PMEM
MKP-PME/RC



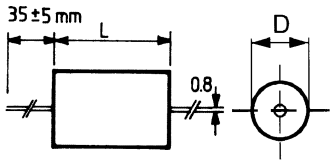
L	25,5	31	38,5	39,5	42	47
RM	22,5	27,5	35	37,5	37,5	42,5

MKT-HMF
MKP-PMF



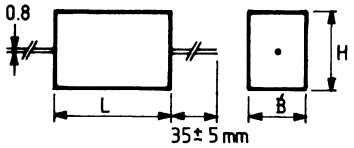
L	19	27	32	42	50
RM	22,5	30	35	45	53

MKT-HMR
MKP-PMR



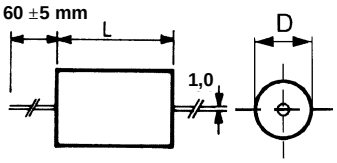
L	19	27	32	42	50
RM	22,5	30	35	45	53

MKT-HMF/B
MKP-PMF/B



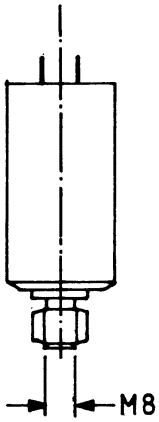
L	27	32	35	53
RM	30	35	38	55

GAD-viva Audio-cap

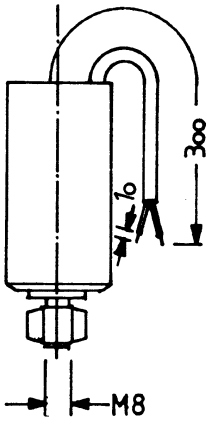


MKT-AZ
MKP-AZ

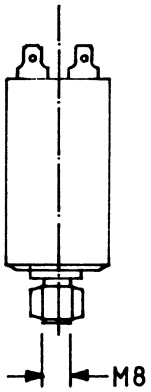
Aluminium can with M8 thread



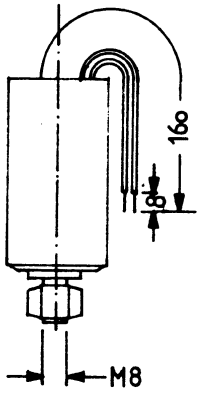
Design with soldering tag connections



Design with cable



Design with open contact studs 6,3 mm



Design with stranded wire 0,5 mm Ø