



AC-Capacitors, (Metallized Polypropylene Film-MKP) AC 400 V

REFERENCE STANDARDS

VDE 0565, part 1, 560-8
IEC 60161
EN 60068-1

DIELECTRIC

Polypropylene film

ELECTRODES

Metal evaporated

RATED VOLTAGE

AC 400 V, 50/60 Hz

DIN CLASSIFICATION ACC. TO DIN 40040

MKP 1842: HPG
MKP 1844: GPD
HPFMT

CLIMATIC TESTING CLASS ACC. TO EN 60068-1

MKP 1842: 25/085/21
MKP 1844: 40/085/56

CAPACITANCE TOLERANCE

$\leq 0.1\mu\text{F} \pm 20\%$
 $> 0.1\mu\text{F} \pm 10\%$

DISSIPATION FACTOR $\tan \delta$

For $C \leq 0.1\mu\text{F}$, measured at 100 kHz:
 2×10^{-3} maximum value;
for $0.1\mu\text{F} < C \leq 1.0\mu\text{F}$, measured at 10 kHz:
 1×10^{-3} maximum value.

LEAD (PB) CONTENT

Lead (Pb)-free schooling layers and terminals

INSULATION RESISTANCE FOR $C \leq 0.33 \mu\text{F}$

For $C \leq 0.33 \mu\text{F}$ measured at DC 500 V after one minute,
100 G Ω minimum value

TIME CONSTANT FOR $C > 0.33 \mu\text{F}$

30000 sec. minimum value

TEST VOLTAGE

(Electrode/electrode): DC 1720 V for 2 sec.

MAX. PULSE RISE TIME

(d_U/d_t) in V/ μs

MKP 1842

L (mm)	d_U/d_t (V/ $\mu\text{sec.}$)
19.0	100
26.5	48
31.5	36
41.5	23

MKP 1844

PCM (mm)	d_U/d_t (V/ $\mu\text{sec.}$)
10.0	64
15.0	28
22.5	15
27.5	11
37.5	8