WIMA MKS 4-R

Radio interference suppression capacitors in accordance with VDE 0565-1

Class X2

- **Metallized polyester capacitors**
- **Series-wound construction**
- **Self-healing properties**
- **Available taped and reeled** (up to and including of case size 15 × 26 × 31.5/PCM 27.5 mm)

Technical Data

Dielectric: Polyethylene terephthalate film.
Capacitor electrodes: Vacuum-deposited aluminium.
Encapsulation: Flame-retardent plastic case, UL 94 V-O, with epoxy resin seal. Colour: Red.
Class of application: GPF in accordance with DIN 40 040.
Temperature range: −40° C to +85° C.
Test category: 40/085/21 in accordance with IEC.
Tests: In accordance with VDE 0565, part 1.
Insulation resistance at +20° C:
C ≤ 0.33 µF: ≥ 1.5×10^4 megohms
(mean value: 1×10^5 megohms)
C > 0.33 µF: ≥ 5,000 sec (megohms × µF)
(mean value: 40,000 sec)
Measuring voltage: 100 V/1 min.
Dissipation factor: tan δ ≤ 8×10^{-3} at 1 kHz and +20° C.
Capacitance tolerances: ±20 %, ±10 %.
Test voltage: 1250 VDC, 2 sec.
Maximum pulse rise time:

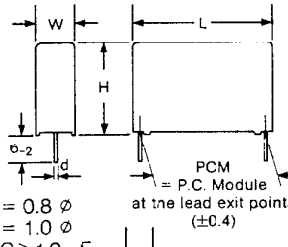
Capacitance µF	Pulse rise time V/µsec. max. operation
0.01 ... 0.1	300
0.15 ... 0.68	130
1.0 ... 2.2	100

for pulses equal to the rated voltage.

Graphs page 5.

General Data

Capacitance	250 VAC*			
	W	H	L	PCM **
0.01 µF	5	11	18	15
0.015 „	5	11	18	15
0.022 „	6	12.5	18	15
0.033 „	6	12.5	18	15
0.047 „	7	14	18	15
0.068 „	8	15	18	15
0.1 µF	9	16	18	15
0.15 „	8.5	18.5	26.5	22.5
0.22 „	11	21	26.5	22.5
0.33 „	11	21	31.5	27.5
0.47 „	13	24	31.5	27.5
0.68 „	15	26	31.5	27.5
1.0 µF	17	34.5	31.5	27.5
1.5 „	19	32	41.5	37.5*
2.2 „	24	45.5	41.5	37.5*



* f = 50 Hz
* VDE- and SEMKO approval under preparation
** PCM = Printed circuit module = lead spacing

WIMA MKS 5-R

Spark-quenching capacitors

- **Metallized polyester capacitors**
- **Series-wound construction**
- **To be used solely in series with a consumer or a resistor; not designed for across-the-line application**
- **Available taped and reeled**

Technical Data

Dielectric: Polyethylene terephthalate film.
Capacitor electrodes: Vacuum-deposited aluminium.
Encapsulation: Flame-retardent plastic case, UL 94 V-O, with epoxy resin seal. Colour: Red.
Class of application: GPF in accordance with DIN 40 040.
Temperature range: 40° C to +85° C.
Test category: 40/085/21 in accordance with IEC.
Insulation resistance at +20° C:
C ≤ 0.33 µF: ≥ 1.5×10^4 megohms
(mean value: 1×10^5 megohms)
C > 0.33 µF: ≥ 5,000 sec (megohms × µF)
(mean value: 40,000 sec)
Measuring voltage: 100 V/1 min.
Dissipation factor: tan δ ≤ 8×10^{-3} at 1 kHz and +20° C.
Capacitance tolerances: ±20 %, ±10 %.
Maximum pulse rise time: 100 V/microsecond.
Test voltage: 1075 VDC, 2 sec.

Graphs page 5.

General Data

Capacitance	350 VDC/220 VAC*			
	W	H	L	PCM**
0.022 µF	5	11	18	15
0.033 „	5	11	18	15
0.047 „	5	11	18	15
0.068 „	6	12.5	18	15
0.1 µF	6	12.5	18	15
0.15 „	8	15	18	15
0.22 „	7	16.5	26.5	22.5
0.33 „	8.5	18.5	26.5	22.5
0.47 „	10.5	19	26.5	22.5
0.68 „	11	21	31.5	27.5
1.0 µF	13	24	31.5	27.5

* f = 50 Hz

Dims. in mm

Taped version see page 12