

# WIMA MP 3-Y1

## Metallized paper RFI capacitors in accordance with IEC 60384-14/2 and EN 132 400 class Y1

- Particularly high reliability against active and passive flammability. ■ Problem-free clearing.
- For temperatures up to 110° C. ■ Very high disruptive DC strength and corona starting voltage.
- Particularly high reliability because of internal series connection. ■ Specially designed for demanding industrial applications. ■ RFI capacitors between primary and secondary ground in switch mode power supplies. ■ Available taped and reeled.

### Technical Data

**Dielectric:** Paper, epoxy resin impregnated.

**Capacitor electrodes:** Vacuum-deposited.

**Encapsulation:** Flame retardent epoxy resin UL 94 V-0, metal foil.

**Temperature range:** - 40° C to +110° C.

**Test specifications:** In accordance with DIN EN 132 400.

**Test category:** 40/110/56/C in accordance with IEC.

**Insulation resistance** at + 20° C:

≥ 12 × 10<sup>3</sup> megohms in accordance with DIN EN 132 400.

Measuring voltage: 100 V/1 min.

**Dissipation factor:** tan δ ≤ 13 × 10<sup>-3</sup> at 1 kHz and + 20° C.

**Capacitance tolerance:** ± 20%.

**Maximum pulse rise time:**

Capacitance pF	Pulse rise time V/μsec max. operation
560 ... 4700	2000

in accordance with DIN EN 132 400.

**Test voltage:** 4000 VAC, 2 sec.

MP 3-Y1 Approvals			
Country	Authority	Certification	Approval No.
Germany	VDE	DIN EN 132 400 IEC 60384-14/2	91853

Graphs see page 83.

### General Data

Capacitance	250 VAC*			
	W	H	L	PCM**
560 pF	5	13	19	15
680 "	5	13	19	15
820 "	5	13	19	15
1000 pF	5	13	19	15
1200 "	5	13	19	15
1500 "	5	13	19	15
1800 "	6	14	19	15
2200 "	6	14	19	15
2700 "	7	15	19	15
3300 "	8	17	19	15
3900 "	8	17	19	15
4700 "	10	18	19	15

\* f = 50 Hz;

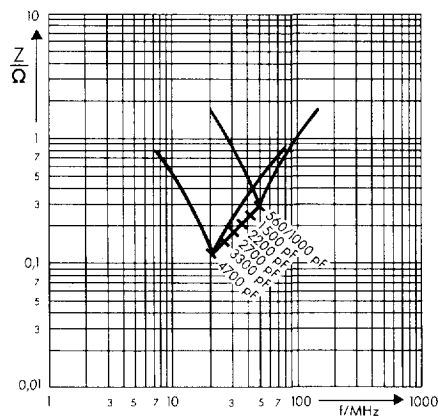
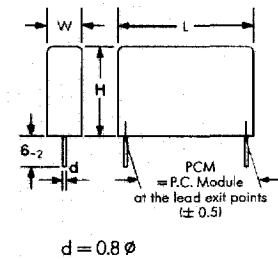
\*\* PCM = Printed circuit  
module = lead spacing

Dims. in mm.

Upon request with long  
leads 35-2 mm max.

Taped version  
see page 92.

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Impedance change  
with frequency  
(general guide).