



Product Range

- SMD
- PCM 2.5 mm
- PCM 5.0 mm
- PCM 7.5 - 37.5 mm metallized
- PCM 7.5 - 15 mm film/foil
- For high current ratings
- Snubber capacitors
- RFI-capacitors

Who is WIMA

News

Representations

Contact

Technical Information

SMD-Sample Box

TECHNICAL SPOTLIGHT

WIMA MP 3-Y2



Metallized paper RFI capacitors in accordance with IEC 60384-14/2 and EN 132 400 class Y2

■ Particularly high reliability against active and passive flammability. ■ Problem-free clearing. ■ For temperatures up to 110° C. ■ High disruptive DC strength and corona starting voltage. ■ Good attenuation and low ESR for high degree of interference suppression. ■ Available taped and reeled up to and including PCM 22.5.

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:
 $\geq 12 \times 10^3 \text{ M}\Omega$
 In accordance with DIN EN 132 400.
 Measuring voltage: 100 V/1 min.
Dissipation factor: $\tan \delta \leq 13 \times 10^{-3}$
 at 1 kHz and +20° C.
Capacitance tolerance: $\pm 20\%$.
Maximum pulse rise time:

Capacitance pF/ μ F	Pulse rise time V/ μ sec max. operation
1000	1000/2000*
1500	600/2000*
2200	450/2000*
3300...4700	450/1500*
6800...0.015	300/1500*
0.022...0.1	300/500*

In accordance with DIN EN 132 400.

Test voltage: 2700 VDC, 2 sec./ 3000 VDC, 2 sec*

MP 3-Y2 Approvals			
Country	Authority	Specification	Approval No.
Germany	VDE	DIN EN 132 400 IEC 60384-14/2	87455 91851*
USA	UL	UL 1283 UL 478	E100438(M) E100438(M)
Canada	CSA	UL 1414 (250VAC)* C 22.2 No. 8 C 22.2 No.1*	E134915(N)* LR 93312-1 LR 93312-1*

[Graphs:](#) / [Taping:](#)

[Example for ordering/Part number](#)

The range **WIMA MP 30-Y2** was integrated in the WIMA MP 3-Y2 range. The parts will still be marked WIMA MP 30-Y2.

General Data

Capacitance	250 VAC*			
	W	H	L	PCM**
1000 pF	4	8.5	13.5	10
	5	13	19	15*
1500 "	4	8.5	13.5	10
	5	13	19	15*
2200 "	4	8.5	13.5	10
	5	13	19	15*
3300 "	4	8.5	13.5	10
	5	13	19	15*
4700 "	5	10	13.5	10
	6	14	19	15*
6800 "	5	13	19	15
	7	15	19	15*
0.01 μ F	5	13	19	15
0.015 "	8	17	19	15*
	6	14	19	15
0.022 "	10	18	19	15*
	7	15	19	15
0.033 "	8	20	28	22.5*
	8	20	28	22.5*
0.047 "	10	22	28	22.5*
	12	24	28	22.5*
0.068 "				
0.1 μ F	13	25	33	27.5*

* f = 50 Hz;

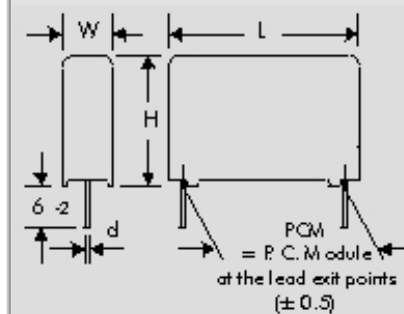
**PCM = Printed circuit module = lead spacing

*Values of the range WIMA MP 30-Y2. On ordering please state the required **box size**.

Also available in E12-values.

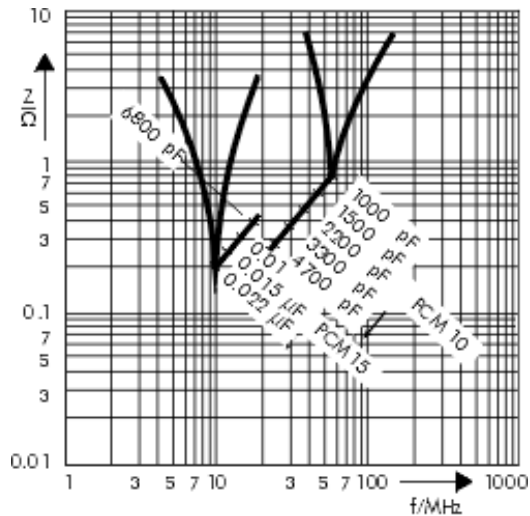
Upon request with long leads either: 35-2 mm max. or insulated: 40 mm max., bare ends 9 mm.

Dims in mm.

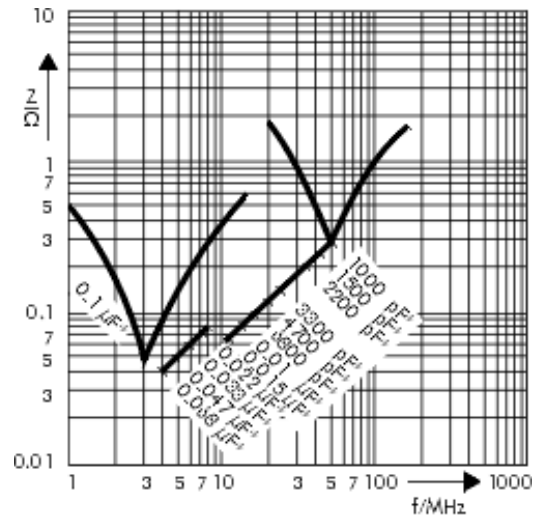


d = 0.7 \varnothing if PCM 10
 d = 0.8 \varnothing if PCM ≥ 15

Impedance change with frequency (general guide)



WIMA MP 3-Y2



WIMA MP 30-Y2

To minimize or avoid shock and/or vibration stresses to terminating wires and solder connections we recommend to fix voluminous resin-potted MP capacitors as from e.g. PCM 22.5 mm in an appropriate way since for constructional reasons they do not sit tight on the board.