

## Metallized Paper (MP) RFI-Capacitors Class Y2 with Internal Series Connection PCM 15 mm to 27.5 mm

### Special Features

- Particularly high reliability against active and passive flammability
- Twice the safety by internal series connection
- High degree of interference suppression due to good attenuation and low ESR
- For temperatures up to +110° C
- According to RoHS 2011/65/EC

### Typical Applications

Class Y2 RFI applications to meet EMC regulations

- Capacitors connected to the mains between phase or neutral and earthed casing
- By-passing of the basic or supplementary insulation, pulse peak voltage  $\leq 5$  kV

### Construction

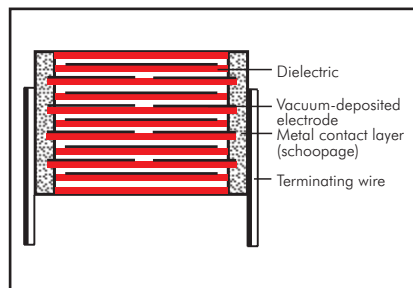
#### Dielectric:

Paper, epoxy resin impregnated

#### Capacitor electrodes:

Vacuum-deposited

#### Internal construction:



#### Encapsulation:

Self-extinguishing epoxy resin, UL 94 V-0, metal foil

#### Terminations:

Tinned wire.

#### Marking:

Marking: Black on Silver.

### Electrical Data

#### Capacitance range:

1000 pF to 0.1  $\mu$ F (E12-values on request)

#### Rated voltage:

250 VAC, 300 VAC

**Continuous DC voltage\*** (general guide):  $\leq 1250$  V

#### Capacitance tolerances:

$\pm 20\%$

#### Operating temperature range:

$-40^{\circ}$  C to  $+110^{\circ}$  C

#### Climatic test category:

40/110/56/C according to IEC for 250 VAC

40/110/56/B according to IEC for 300 VAC

#### Insulation resistance at $+20^{\circ}$ C:

$\geq 12 \times 10^3$  M $\Omega$

Measuring voltage: 100 V/1 min.

#### Dissipation factors:

$\tan \delta \leq 13 \times 10^{-3}$  at 1 kHz and  $+20^{\circ}$  C

#### Test specifications:

In accordance with IEC 60384-14

#### Approvals:

Country	Authority	Specification	Symbol		Approval-No.	
			250 VAC	300 VAC	250 VAC	300 VAC
Germany	VDE	IEC 60384-14/3			91851	40032534
USA	UL	UL 1414 (250 VAC)			E 134915	

#### Maximum pulse rise time:

Capacitance pF/ $\mu$ F	Pulse rise time V/ $\mu$ sec max. operation
1000 ... 2200	2000
3300 ... 0.015	1500
0.022 ... 0.1	500

for pulses equal to a voltage amplitude with  $\sqrt{2} \times 250$  VAC = 355 V  
with  $\sqrt{2} \times 300$  VAC = 425 V  
according to IEC 60384-14

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

#### Reliability:

Operational life > 300 000 hours

Failure rate < 1 fit (0.5 x  $U_r$  and  $40^{\circ}$  C)

### Mounting Recommendation

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.

\* If safety-approved EMI suppression capacitors are operated with a DC voltage being above the specified AC voltage rating the given approvals are no longer valid (IEC 60384-14).

Furthermore the permissible pulse rise time  $du/dt$  ( $F_{max.}$ ) will be subject to a reduction according to

$$F_{max.} = F_r \times \sqrt{2} \times UAC / UDC$$

if the DC operating voltage UDC is higher than  $\sqrt{2} \times UAC$

### Packing

Available taped and reeled up to and including PCM 22.5 mm.

Detailed taping information and graphs at the end of the catalogue.

For further details and graphs please refer to Technical Information.

**Continuation**

## General Data

Capacitance	250 VAC*					300 VAC*				
	W	H	L	PCM**	Part number	W	H	L	PCM**	Part number
1000 pF	5	13	19	15	MPLYOW1100FC00_____	5	13	19	15	MPLY2W1100FC00_____
1500 „	5	13	19	15	MPLYOW1150FC00_____	5	13	19	15	MPLY2W1150FC00_____
2200 „	5	13	19	15	MPLYOW1220FC00_____	5	13	19	15	MPLY2W1220FC00_____
3300 „	5	13	19	15	MPLYOW1330FC00_____	5	13	19	15	MPLY2W1330FC00_____
4700 „	6	14	19	15	MPLYOW1470FD00_____	6	14	19	15	MPLY2W1470FD00_____
6800 „	7	15	19	15	MPLYOW1680FE00_____	7	15	19	15	MPLY2W1680FE00_____
0.01 μF	8	17	19	15	MPLYOW2100FF00_____	8	17	19	15	MPLY2W2100FF00_____
0.015 „	10	18	19	15	MPLYOW2150FG00_____	10	18	19	15	MPLY2W2150FG00_____
0.022 „	8	20	28	22.5	MPLYOW2220FH00_____	8	20	28	22.5	MPLY2W2220FH00_____
0.033 „	8	20	28	22.5	MPLYOW2330FH00_____	8	20	28	22.5	MPLY2W2330FH00_____
0.047 „	10	22	28	22.5	MPLYOW2470FI00_____	10	22	28	22.5	MPLY2W2470FI00_____
0.068 „	12	24	28	22.5	MPLYOW2680FJ00_____	12	24	28	22.5	MPLY2W2680FJ00_____
0.1 μF	13	25	33	27.5	MPLYOW3100FK00_____	13	25	33	27.5	MPLY2W3100FK00_____

\*  $f = 50/60 \text{ Hz}$

 New voltage range

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

Upon request with long pins 35-2 mm max.

Dims. in mm.

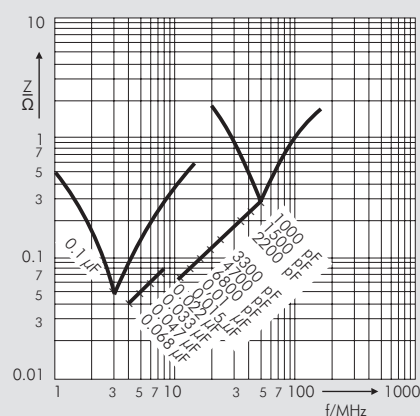
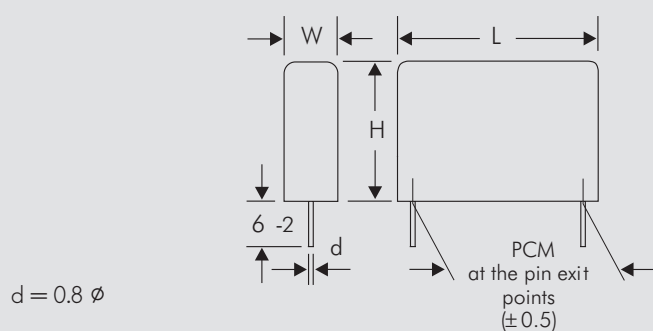
Part number completion:

Tolerance:  $20\% = M$ 

Packing: bulk = S

Pin length:  $6-2 = SD$

Taped version see page 148.



### Impedance change with frequency (general guide)

Rights reserved to amend design data without prior notification.

## Recommendation for Processing and Application of Through-Hole Capacitors

### Soldering Process

A preheating of through-hole WIMA capacitors is allowed for temperatures  $T_{\max} < 100^{\circ}\text{C}$ . In practice a preheating duration of  $t < 5$  min. has been proven to be best.

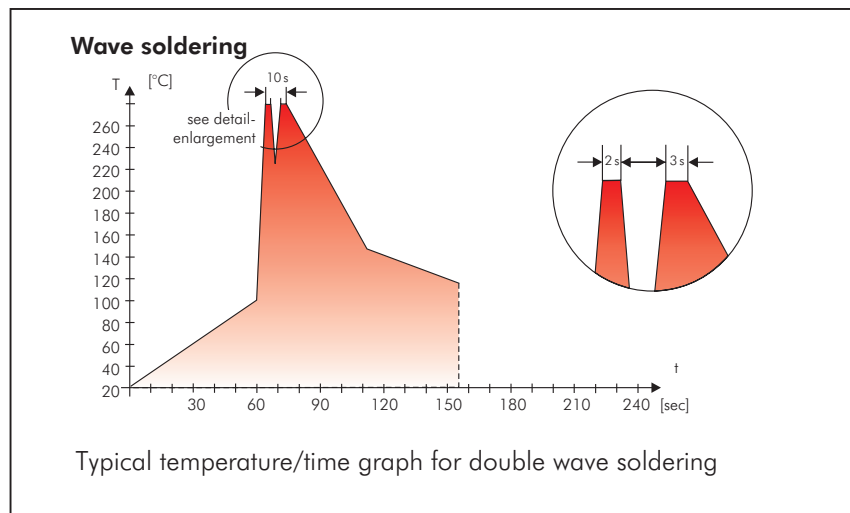
#### Single wave soldering

Soldering bath temperature:  $T < 260^{\circ}\text{C}$   
Immersion time:  $t < 5$  sec

#### Double wave soldering

Soldering bath temperature:  $T < 260^{\circ}\text{C}$   
Immersion time:  $2 \times t < 3$  sec

Due to different soldering processes and heat requirements the graphs are to be regarded as a recommendation only.



## WIMA Quality and Environmental Philosophy

### ISO 9001:2008 Certification

ISO 9001:2008 is an international basic standard of quality assurance systems for all branches of industry. The approval according to ISO 9001:2008 of our factories by the VDE inspectorate certifies that organisation, equipment and monitoring of quality assurance in our factories correspond to internationally recognized standards.

### WIMA WPCS

The WIMA Process Control System (WPCS) is a quality surveillance and optimization system developed by WIMA. WPCS is a major part of the quality-oriented WIMA production. Points of application of WPCS during production process:

- incoming material inspection
- metallization
- film inspection
- schoopage
- pre-healing
- pin attachment
- cast resin preparation/encapsulation
- 100% final inspection
- AQL check

### WIMA Environmental Policy

All WIMA capacitors, irrespective of whether through-hole devices or SMD, are made of environmentally friendly materials. Neither during manufacture nor in the product itself any toxic substances are used, e.g.

- |                        |            |
|------------------------|------------|
| – Lead                 | – PBB/PBDE |
| – PCB                  | – Arsenic  |
| – CFC                  | – Cadmium  |
| – Hydrocarbon chloride | – Mercury  |
| – Chromium 6+          | – etc.     |

We merely use pure, recyclable materials for packing our components, such as:

- carton
- cardboard
- adhesive tape made of paper
- polystyrene

We almost completely refrain from using packing materials such as:

- foamed polystyrene (Styropor®)
- adhesive tapes made of plastic
- metal clips

### RoHS Compliance

According to the RoHS Directive 2011/65/EC certain hazardous substances like e.g. lead, cadmium, mercury must not be used any longer in electronic equipment as of July 1st, 2006. For the sake of the environment WIMA has refrained from using such substances since years already.



WIMA Kondensatoren sind bleifrei  
konform RoHS 2011/65/EC

WIMA capacitors are lead free  
in accordance with RoHS 2011/65/EC

Tape for lead-free WIMA capacitors

### DIN EN ISO 14001:2004

WIMA's environmental management has been established in accordance with the guidelines of DIN EN ISO 14001:2004 to optimize the production processes with regard to energy and resources.

## Typical Dimensions for Taping Configuration

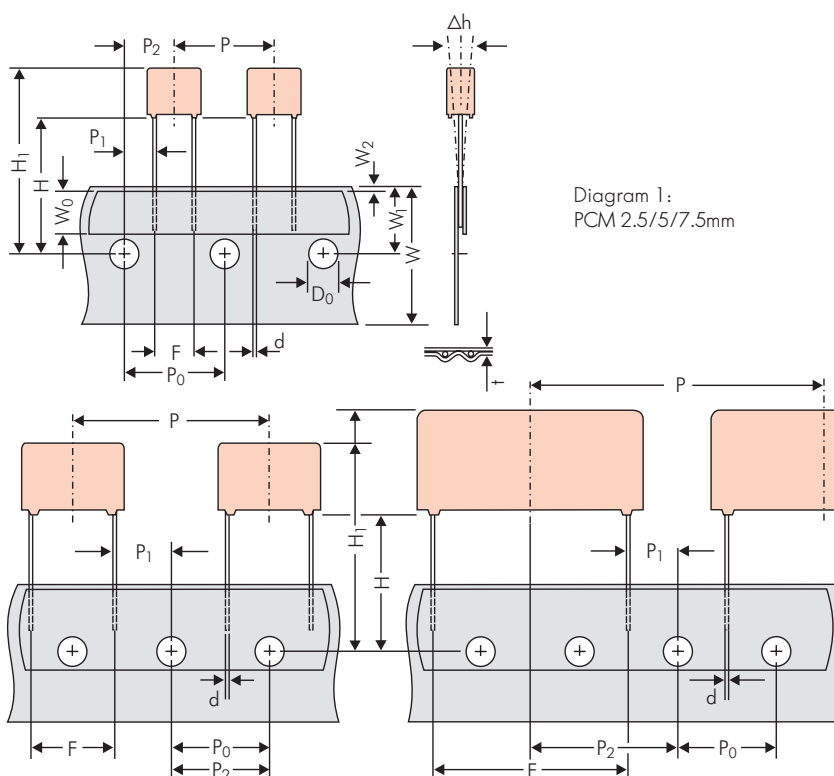


Diagram 2: PCM 10/15 mm

Diagram 3: PCM 22.5 and 27.5\*mm

\*PCM 27.5 taping possible with two feed holes between components

Dimensions for Radial Taping								
Designation	Symbol	PCM 2.5 taping	PCM 5 taping	PCM 7.5 taping	PCM 10 taping*	PCM 15 taping*	PCM 22.5 taping	PCM 27.5 taping
Carrier tape width	W	18.0 ±0.5	18.0 ±0.5	18.0 ±0.5	18.0 ±0.5	18.0 ±0.5	18.0 ±0.5	18.0 ±0.5
Hold-down tape width	W <sub>0</sub>	6.0 for hot-sealing adhesive tape	6.0 for hot-sealing adhesive tape	12.0 for hot-sealing adhesive tape	12.0 for hot-sealing adhesive tape	12.0 for hot-sealing adhesive tape	12.0 for hot-sealing adhesive tape	12.0 for hot-sealing adhesive tape
Hole position	W <sub>1</sub>	9.0 ±0.5	9.0 ±0.5	9.0 ±0.5	9.0 ±0.5	9.0 ±0.5	9.0 ±0.5	9.0 ±0.5
Hold-down tape position	W <sub>2</sub>	0.5 to 3.0 max.	0.5 to 3.0 max.	0.5 to 3.0 max.	0.5 to 3.0 max.	0.5 to 3.0 max.	0.5 to 3.0 max.	0.5 to 3.0 max.
Feed hole diameter	D <sub>0</sub>	4.0 ±0.2	4.0 ±0.2	4.0 ±0.2	4.0 ±0.2	4.0 ±0.2	4.0 ±0.2	4.0 ±0.2
Pitch of component	P	12.7 ±1.0	12.7 ±1.0	12.7 ±1.0	25.4 ±1.0	25.4 ±1.0	38.1 ±1.5	38.1 ±1.5 or 50.8 ±1.5
Feed hole pitch	P <sub>0</sub>	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch
Feed hole centre to pin	P <sub>1</sub>	5.1 ±0.5	3.85 ±0.7	2.6 ±0.7	7.7 ±0.7	5.2 ±0.7	7.8 ±0.7	5.3 ±0.7
Hole centre to component centre	P <sub>2</sub>	6.35 ±1.3	6.35 ±1.3	6.35 ±1.3	12.7 ±1.3	12.7 ±1.3	19.05 ±1.3	19.05 ±1.3
Feed hole centre to bottom edge of the component	H	16.5 ±0.3	16.5 ±0.3	16.5 ±0.5	16.5 ±0.5	16.5 ±0.5	16.5 ±0.5	16.5 ±0.5
		18.5 ±0.5	18.5 ±0.5	18.5 ±0.5	18.5 ±0.5	18.5 ±0.5	18.5 ±0.5	18.5 ±0.5
Feed hole centre to top edge of the component	H <sub>1</sub>	H+H <sub>component</sub> < H <sub>1</sub> 32.25 max.	H+H <sub>component</sub> < H <sub>1</sub> 32.25 max.	H+H <sub>component</sub> < H <sub>1</sub> 24.5 to 31.5	H+H <sub>component</sub> < H <sub>1</sub> 25.0 to 31.5	H+H <sub>component</sub> < H <sub>1</sub> 26.0 to 37.0	H+H <sub>component</sub> < H <sub>1</sub> 30.0 to 43.0	H+H <sub>component</sub> < H <sub>1</sub> 35.0 to 45.0
Pin spacing at upper edge of carrier tape	F	2.5 ±0.5	5.0 <sup>+0.8</sup> <sub>-0.2</sub>	7.5 ±0.8	10.0 ±0.8	15 ±0.8	22.5 ±0.8	27.5 ±0.8
Pin diameter	d	0.4 ±0.05	0.5 ±0.05	*0.5 ±0.05 or 0.6 <sup>+0.06</sup> <sub>-0.05</sub>	*0.5 ±0.05 or 0.6 <sup>+0.06</sup> <sub>-0.05</sub>	0.8 <sup>+0.08</sup> <sub>-0.05</sub>	0.8 <sup>+0.08</sup> <sub>-0.05</sub>	0.8 <sup>+0.08</sup> <sub>-0.05</sub>
Component alignment	Δh	± 2.0 max.	± 2.0 max.	± 3.0 max.	± 3.0 max.	± 3.0 max.	± 3.0 max.	± 3.0 max.
Total tape thickness	t	0.7 ±0.2	0.7 ±0.2	0.7 ±0.2	0.7 ±0.2	0.7 ±0.2	0.7 ±0.2	0.7 ±0.2
Package (see also page 149)		ROLL/AMMO			AMMO			
		REEL ø 360 max. ø 30 ±1      B 52 ±2 58 ±2 } depending on comp. dimensions			REEL ø 360 max. ø 30 ±1      B 52 ±2 58 ±2 or REEL ø 500 max. ø 25 ±1      B 54 ±2 60 ±2      68 ±2 } depending on PCM and component dimensions			
Unit		see details page 150.						

Dims in mm.

\* Diameter of pins see General Data.

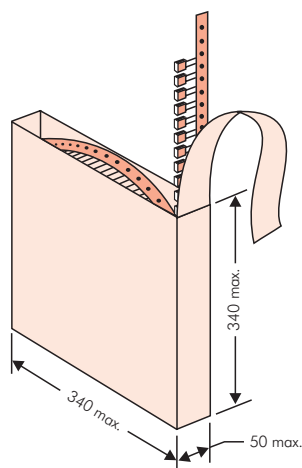
Please clarify customer-specific deviations with the manufacturer.

\* PCM 10 and PCM 15 can be crimped to PCM 7.5.

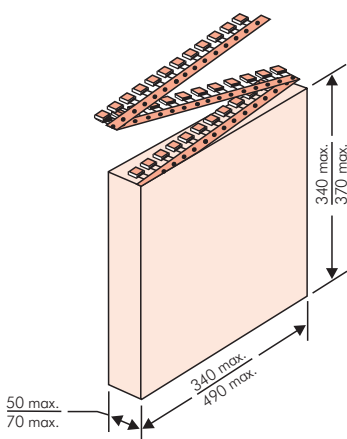
Position of components according to PCM 7.5 (sketch 11). P<sub>0</sub> = 12.7 or 15.0 is possible

## Types of Tape Packaging of Capacitors for Automatic Radial Insertion

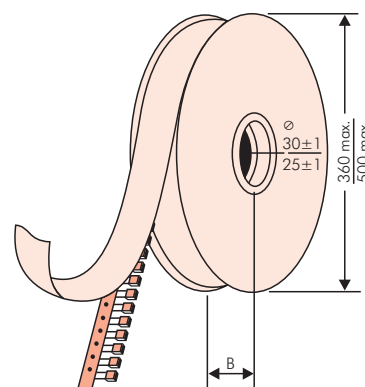
### ■ ROLL Packaging



### ■ AMMO Packaging



### ■ REEL Packaging



## BAR CODE (Labelling)

Labelling of package units in plain text and with alphanumerical Bar Code

Scanner decoding of

- WIMA supplier number
- Customer's P/O number
- Customer's part number
- WIMA confirmation number
- WIMA part number
- Lot number
- Date code
- Quantity

In addition part description of

- article
- capacitance value
- rated voltage
- dimensions
- capacitance tolerance
- packing

as well as gross weight and customer's name are indicated in plain text.

<b>WIMA</b> Best Capacitors Made in Germany		Werk Unna	
Supplier-ID: 123456789	<b>RoHS</b> 2011/65/EC	Date Code: 08.10.10	
Purchase Order No. (P/O): Bestellung xyz		Quantity: 5.000	
Customer Part No.: KUNDETEILENUMMER		Customer No.: 0000100002	Gross Weight [g]: 1870
WIMA Confirmation No.: 0001004053000100		WIMA Part No.: MKS2C034701C00K89D	
Handling Unit:	MKS 2	QTY: 5.000	COO: DE
1000067326	MKS 2 0.47 µF 63 VDC 3.5x8.5x7.2 RM5	Standard 10% Loss - Standard	Drühte 6-2
	Vorlage Debitur Inland	Week 03/2011	

BARCODE „Code 39“



## Packing Quantities for Capacitors with Radial Pins in PCM 2.5 mm to 22.5 mm

PCM	Size				bulk	pcs. per packing unit									
						ROLL		REEL		AMMO					
	H16.5	H18.5	ø 360	ø 500		340 × 340		490 × 370							
	W	H	L	Codes	S	N	O	F	I	H	J	A	C	B	D
2.5 mm	2.5	7	4.6	0B	5000	2200		2500		—		2800		—	
	3	7.5	4.6	0C	5000	2000		2300		—		2300		—	
	3.8	8.5	4.6	0D	5000	1500		1800		—		1800		—	
	4.6	9	4.6	0E	5000	1200		1500		—		1500		—	
	5.5	10	4.6	0F	5000	900		1200		—		1200		—	
5 mm	2.5	6.5	7.2	1A	5000	2200		2500		—		2800		—	
	3	7.5	7.2	1B	5000	2000		2300		—		2300		—	
	3.5	8.5	7.2	1C	5000	1600		2000		—		2000		—	
	4.5	6	7.2	1D	6000	1300		1500		—		1500		—	
	4.5	9.5	7.2	1E	4000	1300		1500		—		1500		—	
	5	10	7.2	1F	3500	1100		1400		—		1400		—	
	5.5	7	7.2	1G	4000	1000		1200		—		1200		—	
	5.5	11.5	7.2	1H	2500	1000		1200		—		1200		—	
	6.5	8	7.2	1I	2500	800		1000		—		1000		—	
	7.2	8.5	7.2	1J	2500	700		1000		—		1000		—	
	7.2	13	7.2	1K	2000	700		950		—		1000		—	
	8.5	10	7.2	1L	2000	600		800		—		800		—	
	8.5	14	7.2	1M	1500	600		800		—		800		—	
11	16	7.2	1N	1000	500		600		—		400		—		
7.5 mm	2.5	7	10	2A	5000	—		2500		4400		2500		—	
	3	8.5	10	2B	5000	—		2200		4300		2300		4150	
	4	9	10	2C	4000	—		1700		3200		1700		3100	
	4.5	9.5	10.3	2D	3500	—		1500		2900		1400		2800	
	5	10.5	10.3	2E	3000	—		1300		2500		1300		—	
	5.7	12.5	10.3	2F	2000	—		1000		2200		1100		—	
	7.2	12.5	10.3	2G	1500	—		900		1800		1000		—	
10 mm	3	9	13	3A	3000	—		1100		2200		—		1900	
	4	8.5	13.5	FA	3000	—		900		1600		—		1450	
	4	9	13	3C	3000	—		900		1600		—		1450	
	4	9.5	13	3D	3000	—		900		1600		—		1400	
	5	10	13.5	FB	2000	—		700		1300		—		1200	
	5	11	13	3F	3000	—		700		1300		—		1200	
	6	12	13	3G	2400	—		550		1100		—		1000	
	6	12.5	13	3H	2400	—		550		1100		—		1000	
8	12	13	3I	2000	—		400		800		—		740		
15 mm	5	11	18	4B	2400	—		600		1200		—		1150	
	5	13	19	FC	1000	—		600		1200		—		1200	
	6	12.5	18	4C	2000	—		500		1000		—		1000	
	6	14	19	FD	1000	—		500		1000		—		1000	
	7	14	18	4D	1600	—		450		900		—		850	
	7	15	19	FE	1000	—		450		900		—		850	
	8	15	18	4F	1200	—		400		800		—		740	
	8	17	19	FF	500	—		400		800		—		740	
	9	14	18	4H	1200	—		350		700		—		650	
	9	16	18	4J	900	—		350		700		—		650	
	10	18	19	FG	500	—		300		650		—		590	
11	14	18	4M	1000	—		300		600		—		540		
22.5 mm	5	14	26.5	5A	1200	—		—		800		—		770	
	6	15	26.5	5B	1000	—		—		700		—		640	
	7	16.5	26.5	5D	760	—		—		600		—		550	
	8	20	28	FH	500	—		—		500		—		480	
	8.5	18.5	26.5	5F	500	—		—		480		—		450	
	10	22	28	FI	540*	—		—		420		—		380	
	10.5	19	26.5	5G	680*	—		—		400		—		360	
	10.5	20.5	26.5	5H	680*	—		—		400		—		360	
	11	21	26.5	5I	680*	—		—		380		—		350	
	12	24	28	FJ	450*	—		—		350		—		310	

\* TPS (Tray-Packing-System). Plate versions may have different packing units.  
Samples and pre-production needs on request.

■ Moulded versions.

Rights reserved to amend design data without prior notification.

## Packing Quantities for Capacitors with Radial Pins in PCM 27.5 mm to 52.5 mm



PCM	Size				bulk	ROLL		pcs. per packing unit				AMMO			
								REEL							
	W	H	L	Codes		H16.5	H18.5	ø 360	ø 500	340 × 340	490 × 370	H16.5	H18.5	H16.5	H18.5
					<b>S</b>	<b>N</b>	<b>O</b>	<b>F</b>	<b>I</b>	<b>H</b>	<b>J</b>	<b>A</b>	<b>C</b>	<b>B</b>	<b>D</b>
<b>27.5 mm</b>	9	19	31.5	<b>6A</b>	640*	–	–	–	–	460/340*	–	–	–	420	–
	11	21	31.5	<b>6B</b>	544*	–	–	–	–	380/280*	–	–	–	350	–
	13	24	31.5	<b>6D</b>	448*	–	–	–	–	300	–	–	–	290	–
	13	25	33	<b>FK</b>	336*	–	–	–	–	–	–	–	–	–	–
	15	26	31.5	<b>6F</b>	384*	–	–	–	–	270	–	–	–	250	–
	15	26	33	<b>FL</b>	288*	–	–	–	–	–	–	–	–	–	–
	17	29	31.5	<b>6G</b>	176*	–	–	–	–	–	–	–	–	–	–
	17	34.5	31.5	<b>6I</b>	176*	–	–	–	–	–	–	–	–	–	–
	19	30	31.5	<b>6L</b>	50*	–	–	–	–	–	–	–	–	–	–
	20	32	33	<b>FM</b>	216*	–	–	–	–	–	–	–	–	–	–
	20	39.5	31.5	<b>6J</b>	144*	–	–	–	–	–	–	–	–	–	–
<b>37.5 mm</b>	9	19	41.5	<b>7A</b>	480*	–	–	–	–	–	–	–	–	–	–
	11	22	41.5	<b>7B</b>	408*	–	–	–	–	–	–	–	–	–	–
	13	24	41.5	<b>7C</b>	252*	–	–	–	–	–	–	–	–	–	–
	15	26	41.5	<b>7D</b>	144*	–	–	–	–	–	–	–	–	–	–
	17	29	41.5	<b>7E</b>	132*	–	–	–	–	–	–	–	–	–	–
	19	32	41.5	<b>7F</b>	108*	–	–	–	–	–	–	–	–	–	–
	20	39.5	41.5	<b>7G</b>	108*	–	–	–	–	–	–	–	–	–	–
	24	45.5	41.5	<b>7H</b>	84*	–	–	–	–	–	–	–	–	–	–
	31	46	41.5	<b>7I</b>	72*	–	–	–	–	–	–	–	–	–	–
	35	50	41.5	<b>7J</b>	35*	–	–	–	–	–	–	–	–	–	–
	40	55	41.5	<b>7K</b>	28*	–	–	–	–	–	–	–	–	–	–
<b>48.5 mm</b>	19	31	56	<b>8D</b>	50*	–	–	–	–	–	–	–	–	–	–
	23	34	56	<b>8E</b>	72*	–	–	–	–	–	–	–	–	–	–
	27	37.5	56	<b>8H</b>	60*	–	–	–	–	–	–	–	–	–	–
	33	48	56	<b>8J</b>	48*	–	–	–	–	–	–	–	–	–	–
	37	54	56	<b>8L</b>	25*	–	–	–	–	–	–	–	–	–	–
<b>52.5 mm</b>	35	50	57	<b>9F</b>	25*	–	–	–	–	–	–	–	–	–	–
	45	55	57	<b>9H</b>	20*	–	–	–	–	–	–	–	–	–	–
	45	65	57	<b>9J</b>	20*	–	–	–	–	–	–	–	–	–	–

\* for 2-inch transport pitches.

\* TPS (Tray-Packing-System). Plate versions may have different packing units.  
Samples and pre-production needs on request.

■ Moulded versions.

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## WIMA Part Number System

A WIMA part number consists of 18 digits and is composed as follows:

Field 1 - 4: Type description  
 Field 5 - 6: Rated voltage  
 Field 7 - 10: Capacitance  
 Field 11 - 12: Size and PCM  
 Field 13 - 14: Version code (e.g. Snubber versions)  
 Field 15: Capacitance tolerance  
 Field 16: Packing  
 Field 17 - 18: Lead length (untaped)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
M	K	S	2	C	0	2	1	0	0	1	A	0	0	M	S	S	D
MKS 2				63 VDC		0.01 μF				2.5x6.5x7.2		-		20%	bulk	6-2	
<b>Type description:</b>				<b>Rated voltage:</b>		<b>Capacitance:</b>				<b>Size:</b>				<b>Tolerance:</b>			
SMD-PET = SMDT				2.5 VDC = A1		22 pF = 0022				4.8x3.3x3 Size 1812 = KA				20% = M			
SMD-PPS = SMDI				4 VDC = A2		47 pF = 0047				4.8x3.3x4 Size 1812 = KB				10% = K			
FKP 02 = FKP0				14 VDC = A3		100 pF = 0100				5.7x5.1x3.5 Size 2220 = QA				5% = J			
MKS 02 = MKS0				28 VDC = A4		150 pF = 0150				5.7x5.1x4.5 Size 2220 = QB				2.5% = H			
FKS 2 = FKS2				40 VDC = A5		220 pF = 0220				7.2x6.1x3 Size 2824 = TA				1% = E			
FKP 2 = FKP2				5 VDC = A6		330 pF = 0330				7.2x6.1x5 Size 2824 = TB				...			
MKS 2 = MKS2				50 VDC = B0		470 pF = 0470				10.2x7.6x5 Size 4030 = VA				<b>Packing:</b> AMMO H16.5 340x340 = A AMMO H16.5 490x370 = B AMMO H18.5 340x340 = C AMMO H18.5 490x370 = D REEL H16.5 360 = F REEL H16.5 500 = H REEL H18.5 360 = I REEL H18.5 500 = J ROLL H16.5 = N ROLL H18.5 = O BLISTER W12 180 = P BLISTER W12 330 = Q BLISTER W16 330 = R BLISTER W24 330 = T Bulk/TPS Standard = S ...			
MKP 2 = MKP2				63 VDC = C0		680 pF = 0680				12.7x10.2x6 Size 5040 = XA							
FKS 3 = FKS3				100 VDC = D0		1000 pF = 1100				15.3x13.7x7 Size 6054 = YA							
FKP 3 = FKP3				160 VDC = E0		1500 pF = 1150				2.5x7x4.6 PCM2.5 = 0B							
MKS 4 = MKS4				250 VDC = F0		2200 pF = 1220				3x7.5x4.6 PCM2.5 = 0C							
MKP 4 = MKP4				400 VDC = G0		3300 pF = 1330				2.5x6.5x7.2 PCM5 = 1A							
MKP 10 = MKP1				450 VDC = H0		4700 pF = 1470				3x7.5x7.2 PCM5 = 1B							
FKP 4 = FKP4				600 VDC = I0		6800 pF = 1680				2.5x7x10 PCM7.5 = 2A							
FKP 1 = FKP1				630 VDC = J0		0.01 μF = 2100				3x8.5x10 PCM7.5 = 2B							
MKP-X2 = MKX2				700 VDC = K0		0.022 μF = 2220				3x9x13 PCM10 = 3A							
MKP-X2 R = MKXR				800 VDC = L0		0.047 μF = 2470				4x9x13 PCM10 = 3C							
MKP-Y2 = MKY2				850 VDC = M0		0.1 μF = 3100				5x11x18 PCM15 = 4B							
MP 3-X2 = MPX2				900 VDC = N0		0.22 μF = 3220				6x12.5x18 PCM15 = 4C							
MP 3-X1 = MPX1				1000 VDC = O1		0.47 μF = 3470				5x14x26.5 PCM22.5 = 5A							
MP 3-Y2 = MPY2				1100 VDC = P0		1 μF = 4100				6x15x26.5 PCM22.5 = 5B							
MP 3R-Y2 = MPRY				1200 VDC = Q0		2.2 μF = 4220				9x19x31.5 PCM27.5 = 6A							
Snubber MKP = SNMP				1250 VDC = R0		4.7 μF = 4470				11x21x31.5 PCM27.5 = 6B							
Snubber FKP = SNFP				1500 VDC = S0		10 μF = 5100				9x19x41.5 PCM37.5 = 7A							
GTO MKP = GTOM				1600 VDC = T0		22 μF = 5220				11x22x41.5 PCM37.5 = 7B							
DC-LINK MKP 3 = DCP3				2000 VDC = U0		47 μF = 5470				94x49x182 DCH_ = H0							
DC-LINK MKP 4 = DCP4				2500 VDC = V0		100 μF = 6100				94x77x182 DCH_ = H1							
DC-LINK MKP 4S = DCPS				3000 VDC = W0		220 μF = 6220				...							
DC-LINK MKP 5 = DCP5				4000 VDC = X0		1 F = A010				<b>Version code:</b> Standard = 00 Version A1 = 1A Version A1.1.1 = 1B Version A2 = 2A ...  <b>Lead length (untaped)</b> 3.5 ±0.5 = C9 6-2 = SD 16 ±1 = P1 ...							
DC-LINK MKP 6 = DCP6				6000 VDC = Y0		2.5 F = A025											
DC-LINK HC = DCH_				250 VAC = 0W		50 F = A500											
DC-LINK HY = DCHY				275 VAC = 1W		100 F = B100											
SuperCap C = SCSC				300 VAC = 2W		110 F = B110											
SuperCap MC = MC_				400 VAC = 3W		600 F = B600											
SuperCap C60 = SCSC				440 VAC = 4W		1200 F = C120											
SuperCap R = SCSR				500 VAC = 5W		...											
SuperCap MR = MRPP				...													

The data on this page is not complete and serves only to explain the part number system. Part number information is listed on the pages of the respective WIMA range.