WIMA MKS 02

Metallized Polyester (PET) Capacitors in PCM 2.5 mm

Special Features

- High volume/capacitance ratio and reduced base
- PCM 2.5 mm
- Self-healing
- According to RoHS 2002/95/EC

Typical Applications

For general DC-applications e.g. By-pass

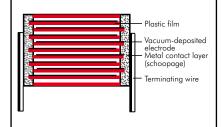
- Blocking
- Coupling and decoupling
- Timing

- ----9

Construction

Dielectric:

Polyethylene-terephthalate (PET) film Capacitor electrodes: Vacuum-deposited Internal construction:



Encapsulation:

Solvent-resistant, flame-retardant plastic case with epoxy resin seal, UL 94 V-0

Terminations:

Tinned wire.

Marking:

Colour: Red. Marking: Silver. Epoxy resin seal: Yellow

Electrical Data

Capacitance range:

3300 pF to 1.0 µF (E12-values on request) Rated voltages:

50 VDC, 63 VDC, 100 VDC, 250 VDC Capacitance tolerances:

 $\pm 20\%$, $\pm 10\%$ ($\pm 5\%$ available subject to special enquiry)

Operating temperature range: -55° C to +100° C (+125° C available subject to special enguiry)

Test specifications: In accordance with IEC 60384-2 and EN 130400

Climatic test category: 55/100/21 in accordance with IEC **Insulation resistance** at +20° C:

Dissipation factors at + 20° C: tan δ

at f	C≤0.1µF	0.1 μ F < C \leq 1.0 μ F
10 kHz	≤ 8×10 ⁻³ ≤15×10 ⁻³ ≤30×10 ⁻³	$\leq 15 \times 10^{-3}$

Voltage derating:

A voltage derating factor of 1.25 % per K must be applied from +85° C for DC voltages and from +75° C for AC voltages.

Reliability:

Operational life > 300 000 hours Failure rate < 2 fit (0.5 x U_r and 40° C)

U _r	U _{test}	C ≤ 0.33 µF	0.33 µF < C ≤ 1.0 µF
50 VDC	10 V	≥ 3.75 x 10 ³ MΩ (mean value: 1 x 10 ⁴ MΩ)	≥ 1250 sec (M Ω x µ F) (mean value: 3000 sec)
63 VDC	50 V	≥ 3.75 x 10 ³ MΩ (mean value: 1 x 10 ⁴ MΩ)	≥ 1250 sec (M Ω x µ F) (mean value: 3000 sec)
≥100 VDC	100 V	\geq 1 x 10 ⁴ M Ω (mean value: 2 x 10 ⁴ M Ω)	_

Measuring time: 1 min.

Test voltage: 1.6 U_r, 2 sec.

Maximum pulse rise time: Capacitance pF/µF Pulse rise time V/µsec max. operation/test 3300 ... 6800 100 / 1000 0.01 ... 0.022 50 / 500 0.033 ... 0.068 30 / 300 0.1 ... 0.33 20 / 200 0.47 ... 1.0 15 / 150

for pulses equal to the rated voltage

Mechanical Tests

Pull test on pins:

10 N in direction of pins according to IEC 60068-2-21

Vibration:

6 hours at 10...2000 Hz and 0.75 mm displacement amplitude or 10 g in

accordance with IEC 60068-2-6 Low air density:

1kPa = 10 mbar in accordance with IEC 60068-2-13

Bump test:

4000 bumps at 390 m/sec² in accordance with IEC 60068-2-29

Packing

Available taped and reeled.

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

For further details and graphs please refer to Technical Information.



WIMA MKS 02



Continuation

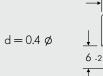
General Data

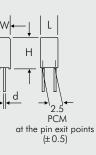
			5	0 VDC/	30 VAC*	63 VDC/40 VAC*					
Capacitance	W	Н	L	PCM**	Part number	W	H	L	PCM**	Part number	
0.01 µF 0.015 " 0.022 " 0.033 " 0.047 " 0.068 "						2.5 2.5 2.5 2.5 2.5 3	7 7 7 7 7 7.5	4.6 4.6 4.6 4.6 4.6 4.6	2.5 2.5 2.5 2.5 2.5 2.5 2.5	MKS0C021000B00 MKS0C021500B00 MKS0C022200B00 MKS0C023300B00 MKS0C024700B00 MKS0C026800C00	
0.1 µF 0.15 " 0.22 " 0.33 " 0.47 " 0.68 "						3 3 3.8 4.6 5.5	7.5 7.5 7.5 8.5 9 10	4.6 4.6 4.6 4.6 4.6 4.6	2.5 2.5 2.5 2.5 2.5 2.5 2.5	MKS0C031000C00 MKS0C031500C00 MKS0C032200C00 MKS0C033300D00 MKS0C034700E00 MKS0C036800F00	
1.0 µF	5.5	10	4.6	2.5	MKS0B041000F00						
						-					
Capacitance			1(00 VDC.	/63 VAC*	250 VDC/160 VAC*					
Capacilance	W	Н	L	PCM**	Part number	W	Н	L	PCM**	Part number	
3300 pF 4700 " 6800 "						2.5 2.5 2.5	7 7 7	4.6 4.6 4.6	2.5 2.5 2.5	MKS0F013300B00 MKS0F014700B00 MKS0F016800B00	
0.01 µF 0.015 " 0.022 " 0.033 " 0.047 " 0.068 "	2.5 2.5 2.5 2.5 2.5 3	7 7 7 7 7.5	4.6 4.6 4.6 4.6 4.6 4.6	2.5 2.5 2.5 2.5 2.5 2.5 2.5	MKS0D021000B00 MKS0D021500B00 MKS0D022200B00 MKS0D023300B00 MKS0D024700B00 MKS0D026800C00	2.5 2.5 3 3.8 4.6	7 7 7.5 8.5 9	4.6 4.6 4.6 4.6 4.6 4.6	2.5 2.5 2.5 2.5 2.5 2.5 2.5	MKS0F021000B00 MKS0F021500B00 MKS0F022200B00 MKS0F023300C00 MKS0F024700D00 MKS0F026800E00	
0.1 µF 0.15 " 0.22 " 0.33 "	3 3.8 4.6 5.5	7.5 8.5 9 10	4.6 4.6 4.6 4.6	2.5 2.5 2.5 2.5 2.5	MKS0D031000C00 MKS0D031500D00 MKS0D032200E00 MKS0D033300F00	5.5	10	4.6	2.5	MKS0F031000F00	

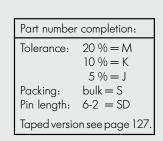
* AC voltage: f = 50 Hz; 1.4 x U_{rms} + UDC $\, \leqslant \, U_r$

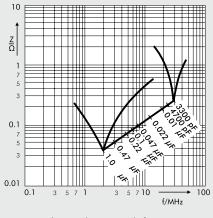
** PCM = Printed circuit module = pin spacing











Impedance change with frequency (general guide).

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

Soldering Process

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

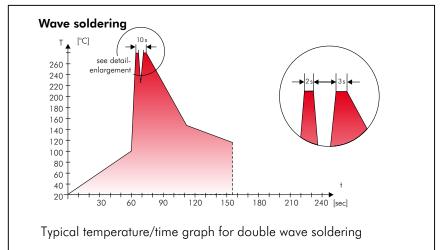
Single wave soldering

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

Double wave soldering

Soldering bath temperature: $T < 260 \,^{\circ}\,C$ 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.

- PBB/PBDE

- Arsenic

- Mercurv

- etc.

– Lead

- PCB
- CFC
- Hydrocarbon chloride
- Chromium 6+

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 2002/95/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 refraind from using such substances since years already.



Tape for lead-free WIMA capacitors

DIN EN ISO 14001:2004

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



Typical Dimensions for Taping Configuration P₂ |◀ -

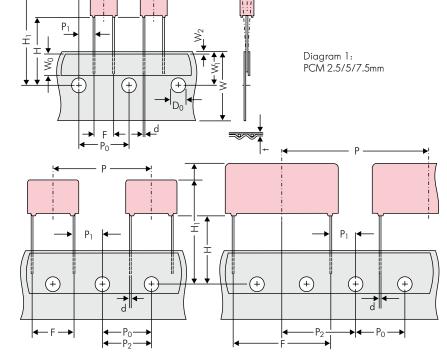


Diagram 2: PCM 10/15 mm

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 ₀	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	W1	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	W2	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 ₀	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	Р	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	Po	cumulative pitch 12.7 ±0.3 error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	cumulative pitch 12.7 ±0.3 error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	cumulative pitch 12.7 ±0.3 error max. 1.0 mm/20 pitch	12.7 ±0.3 cumulative pitch error max. 1.0 mm/20 pitch	cumulative pitch 12.7 ±0.3 error max. 1.0 mm/20 pitch							
Feed hole centre to pin	P1	5.1 ±0.5	3.85 ±0.7	2.6 ±0.7	7.7 ±0.7	5.2 ±0.7	±0.7 7.8 ±0.7								
Hole centre to component centre	P ₂	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	н	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							
edge of the component		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	Hı	H+H _{component} < H ₁ 32.25 max.	H+H _{component} < H ₁ 32.25 max.	H+H _{component} < H ₁ 24.5 to 31.5	H+H _{component} < H ₁ H+H _{component} < H ₁ H+H _{component} < H ₁ 24.5 to 31.5 25.0 to 31.5 26.0 to 37.0			H+H _{component} < H ₁ 35.0 to 45.0							
Pin spacing at upper edge of carrier tape	F	2.5 ±0.5	5.0 ^{+0.8} _{-0.2}	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	$^{\circ}0.5 \pm 0.05 \text{ or } 0.6 + 0.06 \\ -0.05$	$^{\circ}0.5 \pm 0.05 \text{ or } 0.6 + 0.06 \\ -0.05 $	0.8 +0,08	0.8 +0,08 -0.05	0.8 +0.08							
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							
		ROLL//	AMMO	AMMO											
Package (see also page 128)		REEL Ø 360 max. Ø 30 ±1	$\left. B \begin{array}{c} 52 \pm 2 \\ 58 \pm 2 \end{array} ight\} depending on \ comp. \ dimensions$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$											
Unit					see details page 130.										

Dims in mm.

• Diameter of pins see General Data.

PCM 10 and PCM 15 can be crimped to PCM 7.5. Position of components according to PCM 7.5 (sketch 1). $P_0 = 12.7$ or 15.0 is possible

Please clarify customer-specific deviations with the manufacturer.

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

					pcs. per packing unit								
PCM		Si	ze		bulk	ROLL	Ø 360	EL Ø 500	AMMO 340 × 340 490 × 370				
FCIVI					DUIK	H16.5 H18.5	H16.5 H18.5						
	W	Н	L	Codes	S	N O	FI	H J	A C	B D			
	2.5	7	4.6	0B	5000	2200	2500	-	2800	-			
2.5 mm	3	7.5	4.6	0C	5000	2000	2300	-	2300	-			
2.5 mm	3.8 4.6	8.5 9	4.6 4.6	0D 0E	5000 5000	1500 1200	1800 1500	_	1800 1500	_			
	5.5	10	4.6	0F	5000	900	1200	_	1200	_			
	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 4.5	6 9.5	7.2 7.2	1D 1E	6000 4000	1300 1300	1500 1500	-	1500 1500	-			
	4.5	9.5	7.2	1F	3500	1100	1400	_	1400	-			
5 mm	5.5	7	7.2	1G	4000	1000	1200	-	1200	-			
5 mm	5.5	11.5	7.2	1H	2500	1000	1200	-	1200	-			
	6.5	8	7.2	11	2500	800	1000	-	1000	-			
	7.2 7.2	8.5 13	7.2 7.2	1J 1K	2500 2000	700 700	1000 950	-	1000 1000	_			
	8.5	10	7.2	11	2000	600	800	-	800	_			
	8.5	14	7.2	1M	1500	600	800	-	800	-			
	11	16	7.2	1N	1000	500	700	-	700	_			
	2,5	7	10	2A	5000	-	2500	4400	2500	-			
	3	8.5	10	2B	5000	-	2200	4300	2300	4150			
7.5 mm	4 4.5	9 9.5	10 10.3	2C 2D	4000 3500	-	1700 1500	3200 2900	1700 1400	3100 2800			
7.5	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 -				
	3	9	13	3A	3000	-	1100	2200	-	1900			
	4	8.5 9	13.5 13	FA 3C	3000 3000	-	900 900	1600 1600	-	1450 1450			
	4	9.5	13	3D	3000	_	900	1600	_	1400			
10 mm	5	10	13.5	FB	2000	-	700	1300	-	1200			
	5	11	13	3F	3000	-	700	1300	-	1200			
	6	12 12.5	13 13	3G 3H	2400 2400	-	550 550	1100 1100	-	1000 1000			
	8	12.5	13	31	2400	_	400 800		-	740			
	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 15	18 19	4D FE	1600 1000	-	450 450	900 900	-	850 850			
15 mm	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 10	16 18	18 19	4J FG	900 500	-	350 300	700 650	-	650 590			
	10	14	19	4M	1000	-	300	600	-	540			
	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			
22.5 mm	8 8.5	20 18.5	28 26.5	FH	500	-	-	500	-	480			
	8.5	22	26.5	5F Fl	500 540*	-	-	480 420	-	450 380			
	10.5	19	26.5	5G	680*	_	_	400	-	360			
	10.5	20.5	26.5	5H	680*	-	-	400	-	360			
	11	21	26.5	51	680*	-	-	380	-	350			
	12	24	28	FJ	450*	—	-	350	_	310			

* Tray Packing-System Samples and pre-production needs on request.

Moulded versions.

Rights reserved to amend design data without prior notification.

07.12



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

					pcs. per packing units										
	Size				ROLL		EL	AM							
PCM		01.	20		bulk		Ø 360	Ø 500	340 × 340	490 × 370					
	> > /				-		H16.5 H18.5								
	W	H	L	Codes	S	N O	FI	H J	A C	B D					
	9	19	31.5	6A	640*	-	-	460/340*	-	420					
	11	21	31.5	6B	544*	-	-	380/280*	-	350					
	13	24	31.5	6D	448*	-	-	300	-	290					
	13	25	33	FK	336*	-	-	270	-	250					
27 E	15	26	31.5	6F	384*	-	-	-	-	-					
27.5 mm	15	26	33	FL	288*	-	-	-	-	-					
	17	29	31.5	6G	176*	-	-	-	-	-					
	17	34.5	31.5	61	176*	-	-	-	-	-					
	19	30	31.5	6L	50*	-	-	-	-	-					
	20	32	33	FM	216*	-			-	-					
	20	39.5	31.5	6J	144*	-	-		-	-					
	9	19 22	41.5	7A	480*	-	-	-	-	-					
	11 13	22	41.5 41.5	7B 7C	408*	-	-	-	-	-					
	13	24	41.5 41.5	7D	252* 144*	-	-	-	-	-					
	17	20	41.5	7D 7E	132*	-	-	-	-	-					
37.5 mm	19	32	41.5	7E 7F	108*	_	_								
07.5 1111	20	39.5	41.5	7G	108*					_					
	20	45.5	41.5	70 7H	84*					_					
	31	46	41.5	71	72*	_	_	_							
	35	50	41.5	71	35*	_	_	_	_	_					
	40	55	41.5	7K	28*	_	_	_	_	_					
	19	31	56	8D	50*	_	_	_	_	_					
	23	34	56	8E	72*	-	-	-	-	-					
48.5 mm	27	37.5	56	8H	60*	-	-	-	-	-					
	33	48	56	8J	48*	-	-	-	-	-					
	37	54	56	8L	25*	-	_	-	-	-					
50 F	35	50	57	9F	25*	-	-	-	-	-					
52.5 mm	45	55	57	9H	20*	-	-	-	-	-					
	45	65	57	9J	20*	-	-	-	-	-					

* for 2-inchl transport pitches.

* Tray Packing System 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: Special features (e.g. Snubber versions)
- Field 15: Capacitance tolerance
- Field 16: Packing Field 17 18: Lead length (untaped)

Field 17	′ - 18: Leo	ıd leng	th (unt	aped)													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
м	К	S	2	c	0	2	1	0	0	1	A	0	0	м	s	S	D
	MKS	2		63 \	/DC		0.0	1 µF		2.5x6	.5x7.2		-	20%	bulk	6	-2
																_	
SMD-F SMD-F FKP 02 MKS 0 FKS 2 FKP 2 MKS 2 FKP 3 MKS 4 MKP 4 FKP 3 MKP 4 FKP 1 MKP-X MKP-X MKP-X MKP-X MKP-X MKP-3-) MP 3-) MP 3-) MP 3- Snubb Snubb GTO <i>N</i> DC-LIN DC-LIN	PS 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	= SA $= SA$ $= FK$	ADI ADO KS2 22 KS2 KS2 22 KS2 KS2 25 KS2 KS2 KS2 25 KS2 KS2 KS2 KS2 25 KS2	Rated v 2.5 VDC 4 VDC 28 VDC 28 VDC 5 VDC 5 VDC 50 VDC 63 VDC 63 VDC 250 VDC 400 VDC 400 VDC 400 VDC 400 VDC 400 VDC 400 VDC 800 VDC 800 VDC 800 VDC 800 VDC 800 VDC 1000 VE 1100 VD 1200 VE 1200 VE 1200 VE 2000 VE 2	$\begin{array}{c} = A \\ = B \\ = C \\ = D \\ = C \\ = D \\ = C \\ = D \\ = C \\$	1 22 2 477 3 10 4 15 5 22 5 33 0 47 5 22 6 333 0 10 0 15 22 20 330 47 0 22 0 333 0 47 0 0.2 0 0.2 0 0.2 0 0.2 0 1 0 2 0 10 0 2 0 10 0 2 0 10 0 2 0 10 0 10 0 10 0 10 0 10 0 1	pF = 0 pF =	= 0022 = 0047 = 0100 = 0150 = 0220 = 0330 = 0470 = 0680 = 1100	4.8x 5.7x 5.7x 7.2x 7.2x 10.2: 12.7s 15.3; 2.5x 3x7, 2.5x 3x7, 2.5x 3x8, 3x9; 5x11 6x12 5x14 6x12 5x14 6x12 9x19 11x2 9x19	3.3 x 3 5 3.3 x 4 5 5.1 x 3.5 5.1 x 3.5 6.1 x 3.5 6.1 x 3.5 6.1 x 3.5 6.1 x 3.5 (10.2 x 6 (10.2 x 7 (10.2 x 7	CM 7.5 CM 7.5 M 10 M 10	2 = K $220 = G$ $220 = G$ $4 = T/$ $4 = T/$ $30 = V$ $40 = X$ $54 = V$ $40 = X$ $54 = V$ $= 0$ $= 1$ $= 2$ $= 3$ $= 44$ $55 = 55$ $25 = 5$ $55 =$		Toleran 20% 10% 5% 2.5% 1% Packing AMMO AMMO AMMO AMMO AMMO AMMO AMMO AMM	= M = K = J = H = E H16.5 3 H16.5 4 H18.5 3 H18.5 4 6.5 360 6.5 500 6.5 360 6.5 8.5 W12 18 W12 33 W16 33 W16 33 W16 33	90 x 37(40 x 34(90 x 37(90 x 37(30 30) = B) = C
Super Super	Cap MC		CMC CSR	250 VAC 275 VAC 300 VAC 400 VAC 440 VAC 500 VAC	$\begin{array}{l} = 0 \\ = 1 \\ 0 \\ = 2 \\ 0 \\ = 3 \\ 0 \\ 0 \\ = 4 \end{array}$	 № 50 № 10 № 110 № 60 № 12 	F = 0F = 0F = 0F =	= A500 = B100 = B110 = B600 = C120	Stand Versid Versid	on Al on Al.l	tures: = 00 = 1A .1 = 1B = 1C			Lead le 3.5 ±0.5 6 -2 16 ±1 		ntaped)	

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.

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