



PMS

- MKP • box with lug terminals • snubber
- medium-high pulse applications • high current
- high frequency • switching applications



Main applications

Switching capacitor for resonant circuits, industrial and motor speed controls, induction heaters, high frequency and high current applications

Dielectric

Polypropylene

Electrodes

Vacuum deposited metal layers

Coating

Solvent resistant plastic case with resin sealing (UL 94 V-0). Flame retardant execution

Construction

Extended metallized film with internal series connection (refer to General Technical Information)

Terminals

Tinned copper (brass) lugs (lead-free) for screw fixing (please refer to article table)

Degree of protection

IP00

Installation

Whatever position assuring correct heat dissipation. Arrangement of many components with box walls in contact not admitted; suggested minimum distance between side by side elements $\geq 1/8$ of the box thickness (B size). Box with lugs terminals must be free to correctly dissipate from all the body faces

Reference standard

IEC 61071, IEC 60068, RoHS compliant

Climatic category

40/85/56 (IEC 60068/1), GPD (DIN40040)

Please refer also to paragraph C10 (humid ambient) of the General Technical Information

Operating temperature range (case)

-40°...+85°C (+100°C observing voltage and current de-rating)

Max. permissible ambient temperature

+70°C, operation at rated power, current, voltage and natural cooling (+85°C observing voltage and current de-rating)

Nominal Capacitance (Cn) μF

0,068 μF to 18,5 μF . Refer to article table

Capacitance tolerance (at 1kHz)

$\pm 10\%$ (code=K), $\pm 5\%$ (code=J). Other tolerances upon request

Capacitance temperature coefficient

Refer to General Technical Information

Long term stability (at 1kHz)

Capacitance variation $\leq \pm 1\%$ after a period of 2 years at standard environmental conditions

Rated voltage (Ur) (Vdc) at 85°C

550, 700, 850, 1000, 1200, 1500, 2000, 2500, 3000 Vdc

Temperature de-rated voltage

For operating temperature (case) $> +85^\circ\text{C}$,
Ur must be decreased 1,5% for every °C exceeding +85°C
Urms must be decreased 2,5% for every °C exceeding +85°C

Non recurrent surge voltage (Upk) at 85°C

900, 1100, 1300, 1550, 1750, 2200, 2600, 3300, 4000 Vdc

Self inductance

$\leq 1\text{ nH/mm}$ of fixing pitch

Maximum pulse rise time V/ μs

Refer to article table

Maximum peak current (Ipeak)

Refer to article table. Max. non repetitive Ipk = 1,5 x Ipeak

Dissipation factor (DF), max.

$\text{tg}\delta \times 10^{-4}$, measured at $25 \pm 5^\circ\text{C}$, 1 kHz

Cn $\leq 0.1 \mu\text{F}$	$0.1 \mu\text{F} < \text{Cn} \leq 1 \mu\text{F}$	$1 \mu\text{F} < \text{Cn} \leq 6.8 \mu\text{F}$	$6.8 \mu\text{F} < \text{Cn} \leq 9 \mu\text{F}$	$\text{Cn} > 9 \mu\text{F}$
6	5	6	7	10

Insulation resistance (R_{INS})

$\geq 30000\text{s}$ but need not exceed $30\text{G}\Omega$ (typical value), when measured between terminals, at $25 \pm 5^\circ\text{C}$, after 1 minute of electrification at 100Vdc

Test voltage between terminals (Ut)

1,6xUr (DC) applied for 10s / 2xUr (DC) applied for 2s, at $25 \pm 5^\circ\text{C}$

Test voltage between terminals and case (Utc)

3kV 50÷60Hz applied for 60s at $25 \pm 5^\circ\text{C}$

Damp heat test (steady state)

List of admitted high humidity and temperature tests (please refer to paragraph C10 of the GTI);

Biased tests applicable from 03/2019 production codes only

Test ID	Reference	Permissible
a	Damp heat test (steady state) not biased - IEC60068	YES
b	Damp heat test (steady state) biased - AEC Q-200 cockpit	YES
c	Robustness under high humidity, Grade II - IEC 60384-17:2019	YES
d	High robustness under high humidity, Grade III - IEC 60384-17:2019	YES
e	Damp heat test (steady state) biased - 70/70/1000	YES
f	Humidity load test, Test Cy, Severity II - IEC 60068-2-67	NO
g	Humidity load test, Test Cy, Severity III - IEC 60068-2-67 and 85/85/1000 Level 1 - AEC Q-20	NO

Rated Ur (DC ONLY) applied for biased tests

Performance:

Capacitance change $\leq \pm 2\%$ (for test "a")

Capacitance change $\leq \pm 10\%$ (for test "b", "c", "d" and "e")

DF change ≤ 0.0010 at 1kHz (for test "a")

DF change $\leq 2 \times$ initial limit at 1kHz (for test "b", "c", "d" and "e")

R_{INS} $\geq 50\%$ of initial limit value

Box distortion $\leq 1/16$ of the nominal box thickness (B size) or $\leq 1\text{ mm}$ whichever is the highest

Typical capacitance change versus operating time

-3% after 30000 hours at Urms or after 100000 hours at Ur

Life expectancy

≥ 100000 hours (Ur); 30000 hours (Urms)

Failure quota

300/10⁹ component hours



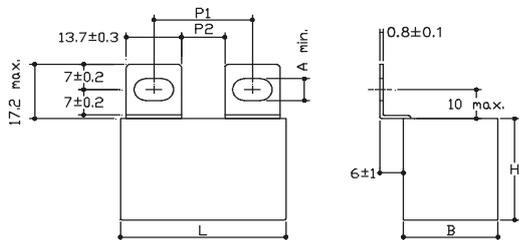
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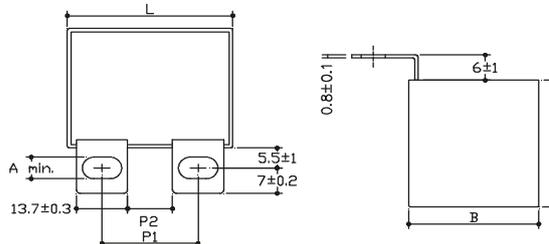


Dimensions in mm (drawings not in scale)

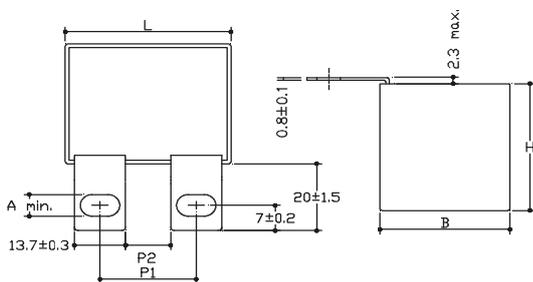
Style SP-SPM8 / SR-SRM8



Style VP-VPM8 / VR-VRM8



Style FP-FPM8 / FR-FRM8



Fixing pitch and distance between lugs (mm)

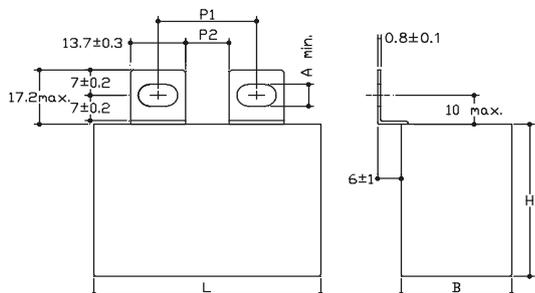
Lugs style	L	P1	P2
SP-SPM8	42÷42,5	23÷28(M6)	25÷26(M8)
VP-VPM8	57,5	37÷42(M6)	39÷40(M8)
FP-FPM8	57,5	34÷39(M6)	36÷37(M8)
SR-SRM8	42÷42,5	20÷25(M6)	22÷23(M8)
VR-VRM8	57,5	34÷39(M6)	36÷37(M8)
FR-FRM8	57,5	34÷39(M6)	36÷37(M8)

Fixing slot size (mm)**

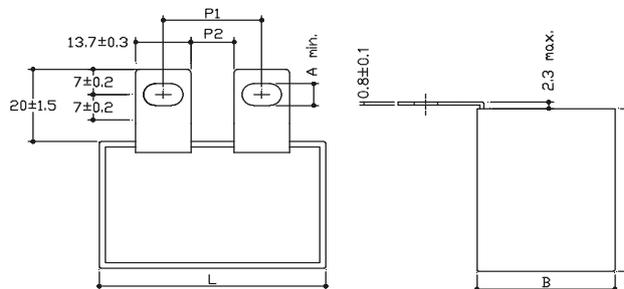
SP, VP, FP, SR, VR, FR	A= 6min.
SPM8, VPM8, FPM8, SRM8, VRM8, FRM8	A= 8min.

** Standard fixing slots for M6 screws, slots for M8 screws available upon request

Style SN-SNM8 (for L=57,5mm only)



Style VN-VNM8 (for L=57,5mm only)



Fixing pitch and distance between lugs (mm)

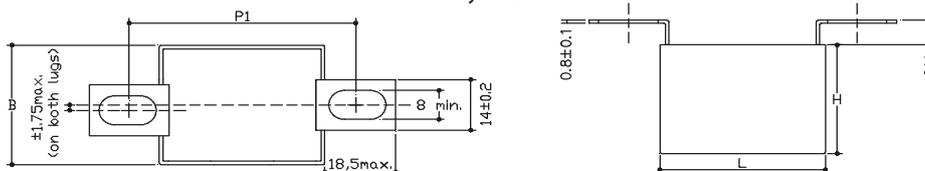
Lugs style	L	P1	P2
SN-SNM8	42÷42,5	Not available	-
VN-VNM8	57,5	23÷28 (M6)	25÷26 (M8)

Fixing slot size (mm)**

SN, VN	A= 6min.
SNM8, VNM8	A= 8min.

** Standard fixing slots for M6 screws, slots for M8 screws available upon request

Style AP



Fixing pitch and distance between lugs (mm)

Lugs style	L	P1	P2
AP	42÷42,5	53,5÷63 (M8)	-
	57,5	68,5÷77 (M8)	-



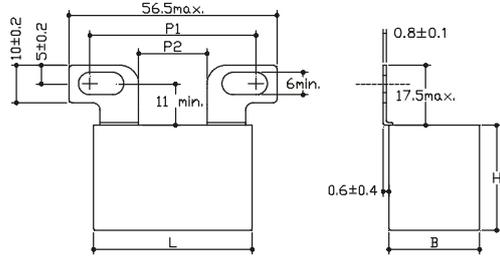
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Dimensions in mm (drawings not in scale)

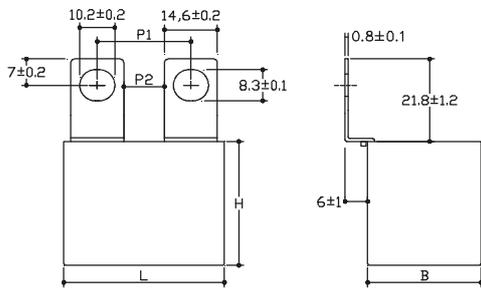
Style **BP** (Not available for L=57,5mm)



Fixing pitch and distance between lugs (mm)

Lugs style	L	P1	P2
BP	42÷42,5	32÷45 (M6)	17min.
	57,5	Not available	

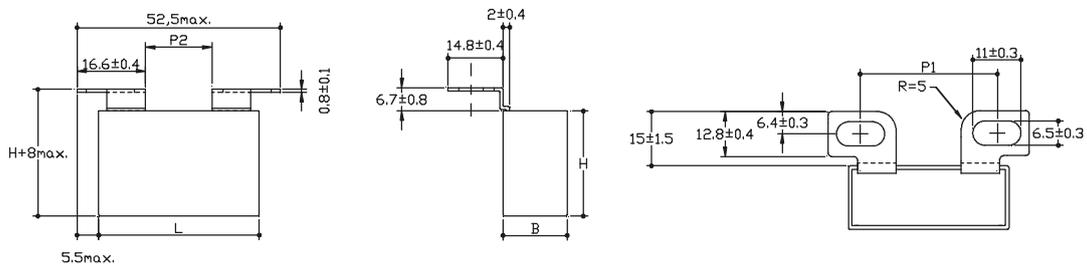
Style **SL** (M8 slots only)



Fixing pitch and distance between lugs (mm)

Lugs style	L	P1	P2
SL	42÷42,5	22÷24 (M8)	7min.
	57,5	36÷38 (M8)	20min.

Style **BN** (M6 slots only; not available for L=57,5mm and for L=42÷42,5mm having B>22mm)



Fixing pitch and distance between lugs (mm)

Lugs style	L	P1	P2
BN	42÷42,5	30÷37 (M6)	15min.
		For B>22 available upon request	
	57,5	Not available	



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PMS article table (different values available upon request)

Voltage at +85°C			Cn µF	Dimensions (mm)			du/dt V/µs	Ipeak A	Irms ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾ -
Ur (Vdc)	Urms (Vac) ⁽⁴⁾	Upk (Vdc)		B	H	L					
550	340	900	2	17	28	42,5	110	220	13	4,3	PMS1554200*\$\$
550	340	900	2,2	17	28	42,5	110	242	13,5	4,1	PMS1554220*\$\$
550	340	900	2,5	17	32	42	110	275	15	3,8	PMS1554250*\$\$A
550	340	900	2,5	24,5	27,5	42,5	110	275	15	3,8	PMS1554250*\$\$
550	340	900	3	22	30	42,5	110	330	16,5	3,2	PMS1554300*\$\$A
550	340	900	3	24,5	27,5	42,5	110	330	16,5	3,2	PMS1554300*\$\$
550	340	900	3,3	22	30	42,5	110	363	17,5	3,1	PMS1554330*\$\$
550	340	900	3,9	22	33,5	42,5	110	429	19	2,7	PMS1554390*\$\$
550	340	900	4,7	28	37	42,5	110	517	22,5	2,3	PMS1554470*\$\$
550	340	900	5	28	37	42,5	110	550	23	2,3	PMS1554500*\$\$
550	340	900	5,6	28	37	42,5	110	610	24,5	2,1	PMS1554560*\$\$A
550	340	900	5,6	33,5	35,5	42,5	110	610	24,5	2,1	PMS1554560*\$\$
550	340	900	6,8	30	45	42,5	110	748	29,5	1,9	PMS1554680*\$\$
550	340	900	7,5	33	45	42,5	110	825	31	1,8	PMS1554750*\$\$
550	340	900	9	35	50	42	110	990	35,5	1,6	PMS1554900*\$\$
550	340	900	10	30	45	57,5	72	720	29	2,1	PMS1555100*\$\$
550	340	900	13	35	50	57,5	72	936	33	1,9	PMS1555130*\$\$
550	340	900	15	38	57,5	57,5	72	1080	34,5	1,7	PMS1555150*\$\$
550	340	900	18,5	38	57,5	57,5	72	1332	38	1,6	PMS1555180*\$\$
700	420	1100	1,5	17	28	42,5	150	225	15	3,5	PMS1704150*\$\$B
700	420	1100	1,5	24,5	27,5	42,5	150	225	15,5	3,5	PMS1704150*\$\$
700	420	1100	2	24,5	27,5	42,5	150	300	17,5	3,1	PMS1704200*\$\$
700	420	1100	2	22	30	42,5	150	300	17,5	3,1	PMS1704200*\$\$A
700	420	1100	2,2	22	33,5	42,5	150	330	18	3	PMS1704220*\$\$
700	420	1100	2,5	22	33,5	42,5	150	375	20	2,6	PMS1704250*\$\$
700	420	1100	3	33,5	35,5	42,5	150	450	22,5	2,6	PMS1704300*\$\$
700	420	1100	3	28	37	42,5	150	450	22,5	2,6	PMS1704300*\$\$A
700	420	1100	3,3	33,5	35,5	42,5	150	495	23	2,5	PMS1704330*\$\$
700	420	1100	3,3	28	37	42,5	150	495	23	2,5	PMS1704330*\$\$A
700	420	1100	4	33,5	35,5	42,5	150	600	24	2,1	PMS1704400*\$\$
700	420	1100	4,7	30	45	42,5	150	600	29,5	1,7	PMS1704470*\$\$A
700	420	1100	4,7	33	45	42,5	150	705	29,5	1,7	PMS1704470*\$\$
700	420	1100	5	30	45	42,5	150	750	30,5	1,7	PMS1704500*\$\$A
700	420	1100	5	33	45	42,5	150	750	30,5	1,7	PMS1704500*\$\$
700	420	1100	5,6	33	45	42,5	150	840	32,5	1,6	PMS1704560*\$\$
700	420	1100	6,3	35	50	42	150	945	35	1,6	PMS1704630*\$\$
700	420	1100	6,8	30	45	57,5	100	680	29	2,2	PMS1704680*\$\$
700	420	1100	9	35	50	57,5	100	900	34	1,8	PMS1704900*\$\$
700	420	1100	10	38	57,5	57,5	100	1000	35,5	1,9	PMS1705100*\$\$
700	420	1100	12	38	57,5	57,5	100	1200	37	1,7	PMS1705120*\$\$
850	500	1300	1	17	28	42,5	200	200	14,5	3,6	PMS1854100*\$\$
850	500	1300	1,2	22	30	42,5	200	240	16,5	3,2	PMS1854120*\$\$A
850	500	1300	1,2	24,5	27,5	42,5	200	240	16,5	3,2	PMS1854120*\$\$
850	500	1300	1,5	22	33,5	42,5	200	300	18,5	2,6	PMS1854150*\$\$
850	500	1300	2,2	28	37	42,5	200	440	25	2,2	PMS1854220*\$\$A
850	500	1300	2,2	33,5	35,5	42,5	200	440	25	2,2	PMS1854220*\$\$

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the \$\$ characters with the needed style code

⁽²⁾ Max. at 100kHz, +70°C for case operating T= +85°C (at T amb. >+70°C and T case >+85°C voltage and current de-rating must be observed), C tol. ≤±10% (for wider C tolerances, ESR variation must be taken in consideration)

⁽³⁾ Typical values at 100kHz (for operating frequencies far from the reference, ESR variation and related power dissipation variation must be taken in consideration)

⁽⁴⁾ Not suitable for across the line application



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Voltage at +85°C			Cn µF	Dimensions (mm)			du/dt V/µs	Ipeak A	Irms ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾ -
Ur (Vdc)	Urms (Vac) ⁽⁴⁾	Upk (Vdc)		B	H	L					
850	500	1300	2,5	33,5	35,5	42,5	200	500	26	2	PMS1854250*\$\$
850	500	1300	2,7	33,5	35,5	42,5	200	540	26,5	2	PMS1854270*\$\$
850	500	1300	3	30	45	42,5	200	600	30	1,7	PMS1854300*\$\$A
850	500	1300	3	33	45	42,5	200	600	30	1,7	PMS1854300*\$\$S
850	500	1300	3,3	30	45	42,5	200	660	30,5	1,7	PMS1854330*\$\$A
850	500	1300	3,3	33	45	42,5	200	660	30,5	1,7	PMS1854330*\$\$S
850	500	1300	4	33	45	42,5	200	800	32	1,6	PMS1854400*\$\$S
850	500	1300	4,2	35	50	42	200	840	36	1,5	PMS1854420*\$\$S
850	500	1300	4,7	30	45	57,5	110	517	29	2	PMS1854470*\$\$S
850	500	1300	5	30	45	57,5	110	550	29,5	2	PMS1854500*\$\$S
850	500	1300	5,6	35	50	57,5	110	616	33	1,9	PMS1854560*\$\$S
850	500	1300	6	35	50	57,5	110	693	34	1,9	PMS1854600*\$\$S
850	500	1300	6,8	38	57,5	57,5	110	748	35	1,8	PMS1854680*\$\$S
850	500	1300	8	38	57,5	57,5	110	880	36,5	1,7	PMS1854800*\$\$S
1000	575	1550	0,68	17	28	42,5	225	153	14	4	PMS2103680*\$\$S
1000	575	1550	1	22	30	42,5	225	225	17	3,2	PMS2104100*\$\$A
1000	575	1550	1	24,5	27,5	42,5	225	225	17	3,2	PMS2104100*\$\$S
1000	575	1550	1,2	22	33,5	42,5	225	270	18,5	2,9	PMS2104120*\$\$S
1000	575	1550	1,5	28	37	42,5	225	337,5	23	2,5	PMS2104150*\$\$S
1000	575	1550	2	33,5	35,5	42,5	225	450	25,5	2	PMS2104200*\$\$S
1000	575	1550	2	30	45	42,5	225	450	27	2	PMS2104200*\$\$A
1000	575	1550	2,2	30	45	42,5	225	495	28,5	1,9	PMS2104220*\$\$S
1000	575	1550	2,5	33	45	42,5	225	562,5	30,5	1,8	PMS2104250*\$\$S
1000	575	1550	3	35	50	42	225	675	35,5	1,5	PMS2104300*\$\$S
1000	575	1550	3,3	30	45	57,5	135	445,5	29	2,2	PMS2104330*\$\$S
1000	575	1550	4,7	35	50	57,5	135	634,5	33,5	1,8	PMS2104470*\$\$S
1000	575	1550	5,6	38	57,5	57,5	135	756	35	1,7	PMS2104560*\$\$S
1000	575	1550	6	38	57,5	57,5	135	810	36	1,7	PMS2104600*\$\$S
1200	630	1750	0,47	17	28	42,5	255	119,8	12,5	4,9	PMS2123470*\$\$S
1200	630	1750	0,68	22	30	42,5	255	173	15	4,1	PMS2123680*\$\$A
1200	630	1750	0,68	24,5	27,5	42,5	255	173	15	4,1	PMS2123680*\$\$S
1200	630	1750	1	28	37	42,5	255	255	19,5	3,2	PMS2124100*\$\$S
1200	630	1750	1,2	28	37	42,5	255	306	22	2,8	PMS2124120*\$\$S
1200	630	1750	1,5	33,5	35,5	42,5	255	382	24	2,4	PMS2124150*\$\$S
1200	630	1750	2	33	45	42,5	255	510	28,5	1,9	PMS2124200*\$\$S
1200	630	1750	2,2	33	45	42,5	255	561	29,5	1,8	PMS2124220*\$\$S
1200	630	1750	2,4	35	50	42	255	612	34	1,7	PMS2124240*\$\$S
1200	630	1750	2,5	30	45	57,5	150	375	28,5	2,4	PMS2124250*\$\$S
1200	630	1750	3	35	50	57,5	150	450	32	2	PMS2124300*\$\$S
1200	630	1750	3,3	35	50	57,5	150	495	32,5	2	PMS2124330*\$\$S
1200	630	1750	4	38	57,5	57,5	150	600	34	1,9	PMS2124400*\$\$S
1200	630	1750	4,7	38	57,5	57,5	150	705	35,5	1,7	PMS2124470*\$\$S
1500	650	2200	0,33	17	28	42,5	320	105,6	12	5,3	PMS2153330*\$\$B
1500	650	2200	0,33	24,5	27,5	42,5	320	105,6	12	5,3	PMS2153330*\$\$S
1500	650	2200	0,47	22	30	42,5	320	150,4	14,5	4,3	PMS2153470*\$\$A
1500	650	2200	0,47	24,5	27,5	42,5	320	150,4	14,5	4,3	PMS2153470*\$\$S
1500	650	2200	0,68	33,5	35,5	42,5	320	217,6	18,5	3,6	PMS2153680*\$\$S

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the \$\$ characters with the needed style code

⁽²⁾ Max. at 100kHz, +70°C for case operating T= +85°C (at T amb. >+70°C and T case >+85°C voltage and current de-rating must be observed), C tol. ≤±10% (for wider C tolerances, ESR variation must be taken in consideration)

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Ur (Vdc)	Urms (Vac) ⁽⁴⁾	Upk (Vdc)		B	H	L					
1500	650	2200	1	33,5	35,5	42,5	320	320	23,5	2,5	PMS2154100*\$\$
1500	650	2200	1,2	30	45	42,5	320	384	27,5	2,1	PMS2154120*\$\$
1500	650	2200	1,3	33	45	42,5	320	416	28,5	2,1	PMS2154130*\$\$
1500	650	2200	1,5	35	50	42	320	480	33	1,8	PMS2154150*\$\$A
1500	650	2200	1,5	30	45	57,5	175	262,5	25	3	PMS2154150*\$\$
1500	650	2200	2	35	50	57,5	175	350	29	2,5	PMS2154200*\$\$
1500	650	2200	2,2	35	50	57,5	175	385	29,5	2,4	PMS2154220*\$\$
1500	650	2200	3	38	57,5	57,5	175	525	34	2	PMS2154300*\$\$
2000	700	2600	0,22	17	28	42,5	410	90,2	11,5	6,4	PMS2203220*\$\$B
2000	700	2600	0,22	24,5	27,5	42,5	410	90,2	11,5	6,4	PMS2203220*\$\$
2000	700	2600	0,27	24,5	27,5	42,5	410	110,7	13	5,6	PMS2203270*\$\$
2000	700	2600	0,33	22	30	42,5	410	135,3	14	4,6	PMS2203330*\$\$
2000	700	2600	0,47	28	37	42,5	410	192,7	19	3,7	PMS2203470*\$\$A
2000	700	2600	0,47	33,5	35,5	42,5	410	192,7	18,5	3,7	PMS2203470*\$\$
2000	700	2600	0,56	33,5	35,5	42,5	410	229,6	21	3,3	PMS2203560*\$\$
2000	700	2600	0,68	30	45	42,5	410	278,8	23,5	2,9	PMS2203680*\$\$A
2000	700	2600	0,68	33	45	42,5	410	278,8	23,5	2,9	PMS2203680*\$\$
2000	700	2600	0,82	33	45	42,5	410	336,2	25,5	2,6	PMS2203820*\$\$
2000	700	2600	1	35	50	42	410	410	29,5	2,3	PMS2204100*\$\$A
2000	700	2600	1	30	45	57,5	225	225	23	3,5	PMS2204100*\$\$
2000	700	2600	1,5	35	50	57,5	225	337,5	27,5	2,7	PMS2204150*\$\$
2000	700	2600	2	38	57,5	57,5	225	450	32	2,2	PMS2204200*\$\$
2500	725	3300	0,1	17	28	42,5	550	55	8	11,7	PMS2253100*\$\$
2500	725	3300	0,12	17	28	42,5	550	66	9	10,1	PMS2253120*\$\$B
2500	725	3300	0,12	24,5	27,5	42,5	550	66	9	10,1	PMS2253120*\$\$
2500	725	3300	0,15	24,5	27,5	42,5	550	82,5	10	8,3	PMS2253150*\$\$
2500	725	3300	0,18	24,5	27,5	42,5	550	99	11,5	7,2	PMS2253180*\$\$
2500	725	3300	0,22	22	33,5	42,5	550	121	13,5	6	PMS2253220*\$\$
2500	725	3300	0,22	33,5	35,5	42,5	550	121	14	6	PMS2253220*\$\$A
2500	725	3300	0,33	33,5	35,5	42,5	550	181,5	17,5	4,4	PMS2253330*\$\$
2500	725	3300	0,39	33,5	35,5	42,5	550	214,5	18,5	3,9	PMS2253390*\$\$
2500	725	3300	0,47	33	45	42,5	550	258,5	22	3,4	PMS2253470*\$\$
2500	725	3300	0,56	33	45	42,5	550	308	23	3,1	PMS2253560*\$\$
2500	725	3300	0,6	35	50	42	550	330	26	3	PMS2253600*\$\$
2500	725	3300	0,68	30	45	57,5	280	190,4	22,5	3,8	PMS2253680*\$\$
2500	725	3300	1	35	50	57,5	280	280	26,5	2,9	PMS2254100*\$\$
2500	725	3300	1,2	38	57,5	57,5	280	330	29,5	2,7	PMS2254120*\$\$
3000	750	4000	0,068	17	28	42,5	750	51	8	14,5	PMS2302680*\$\$B
3000	750	4000	0,068	24,5	27,5	42,5	750	51	8	14,5	PMS2302680*\$\$
3000	750	4000	0,1	22	30	42,5	750	75	10	9,9	PMS2303100*\$\$A
3000	750	4000	0,1	24,5	27,5	42,5	750	75	10	9,9	PMS2303100*\$\$
3000	750	4000	0,12	22	33,5	42,5	750	90	11	8,8	PMS2303120*\$\$B
3000	750	4000	0,12	33,5	35,5	42,5	750	90	11	8,8	PMS2303120*\$\$
3000	750	4000	0,15	33,5	35,5	42,5	750	112,5	13,5	7,3	PMS2303150*\$\$

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the \$\$ characters with the needed style code

⁽²⁾ Max. at 100kHz, +70°C for case operating T= +85°C (at T amb. >+70°C and T case >+85°C voltage and current de-rating must be observed), C tol. ≤±10% (for wider C tolerances, ESR variation must be taken in consideration)

⁽³⁾ Typical values at 100kHz (for operating frequencies far from the reference, ESR variation and related power dissipation variation must be taken in consideration)

⁽⁴⁾ Not suitable for across the line application



PMS

- MKP • box with lug terminals • snubber
- medium-high pulse applications • high current
- high frequency • switching applications



Voltage at +85°C			Cn μF	Dimensions (mm)			du/dt V/μs	Ipeak A	Irms ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾ -
Ur (Vdc)	Urms (Vac) ⁽⁴⁾	Upk (Vdc)		B	H	L					
3000	750	4000	0,18	28	37	42,5	750	135	15	6,3	PMS2303150*\$\$A
3000	750	4000	0,18	33,5	35,5	42,5	750	135	14,5	6,3	PMS2303180*\$\$
3000	750	4000	0,22	30	45	42,5	750	165	17,5	5,3	PMS2303220*\$\$A
3000	750	4000	0,22	33	45	42,5	750	165	17,5	5,3	PMS2303220*\$\$
3000	750	4000	0,3	33	45	42,5	750	225	20,5	4,2	PMS2303300*\$\$
3000	750	4000	0,33	35	50	42	750	247,5	22,5	4	PMS2303330*\$\$
3000	750	4000	0,39	30	45	57,5	370	144,3	19	5,2	PMS2303390*\$\$
3000	750	4000	0,47	35	50	57,5	370	173,9	21,5	4,6	PMS2303470*\$\$
3000	750	4000	0,56	35	50	57,5	370	207,2	23	4,1	PMS2303560*\$\$
3000	750	4000	0,68	38	57,5	57,5	370	251,6	27	3,5	PMS2303680*\$\$

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the \$\$ characters with the needed style code

⁽²⁾ Max. at 100kHz, +70°C for case operating T= +85°C (at T amb. >+70°C and T case >+85°C voltage and current de-rating must be observed), C tol. ≤±10% (for wider C tolerances, ESR variation must be taken in consideration)

⁽³⁾ Typical values at 100kHz (for operating frequencies far from the reference, ESR variation and related power dissipation variation must be taken in consideration)

⁽⁴⁾ Not suitable for across the line application

Warning: this specification must be completed with the data given in the "General technical information" chapter