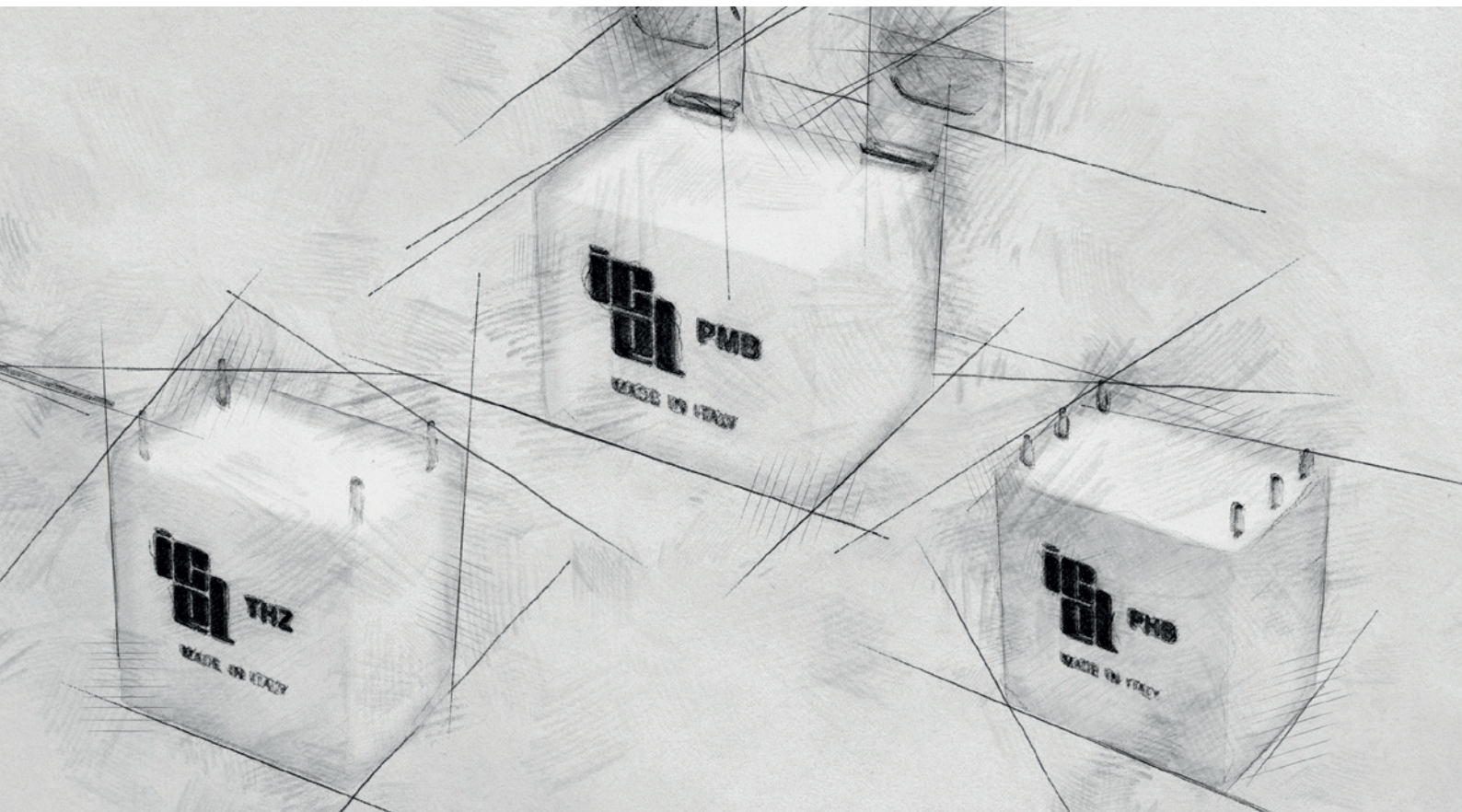


# FILM CAPACITORS CATALOGUE



PRODUCT RANGE 2019





# FILM CAPACITORS CATALOGUE

PRODUCT RANGE 2019





# ICEL PRODUCT RANGE

## Polyester film Capacitors

Type	Cn (µF)	Ur	du/dt (V/µs)	Execution	Applications
<b>MTR</b>	0.01 ÷ 150	63 ÷ 1000Vdc (40 ÷ 400Vac)	1 ÷ 80	Axial terminals	General purpose DC applications
<b>MWR</b> - <b>MWF</b>	0.001 ÷ 100	50 ÷ 1500Vdc (30 ÷ 440Vac)	4 ÷ 90	Axial terminals	General purpose DC applications
<b>MWS</b>	0.0015 ÷ 0.56	2.5 ÷ 10kVdc (500 ÷ 1600Vac)	70 ÷ 1200	Axial terminals	High voltage DC applications
<b>MTB</b>	0.022 ÷ 200	63 ÷ 1000Vdc (40 ÷ 400Vac)	0.8 ÷ 40	Radial terminals boxed	General purpose DC applications
<b>MSB</b>	0.01 ÷ 120	63 ÷ 1000Vdc (40 ÷ 400Vac)	4 ÷ 40	Radial terminals boxed	General purpose DC applications High performance

## Polypropylene film Capacitors

Type	Cn (µF)	Ur	du/dt (V/µs)	Execution	Applications
<b>PWS</b>	0.001 ÷ 0.56	630 ÷ 2000Vdc (300 ÷ 500Vac)	1800 ÷ 27000	Axial terminals	Snubber High frequency High pulse
<b>MPW</b> - <b>MPF</b>	0.001 ÷ 33	160 ÷ 1500Vdc (90 ÷ 600Vac)	9 ÷ 250	Axial terminals	General purpose DC applications
<b>MPL</b>	0.00475 ÷ 4.7	160 ÷ 630Vdc (90 ÷ 250Vac)	12.5 ÷ 190	Axial terminals	Precision capacitor DC applications
<b>PPR</b> (small size)	0.0022 ÷ 20	250 ÷ 2000Vdc (175 ÷ 700Vac)	105 ÷ 7000	Radial terminals boxed	Snubber High pulse High frequency
<b>PPB</b>	0.001 ÷ 15	250 ÷ 2000Vdc (160 ÷ 700Vac)	170 ÷ 9000	Radial terminals boxed	Snubber / High pulse High frequency High performance
<b>MPH</b>	1 ÷ 30	100 ÷ 400Vdc	10 ÷ 20	Axial lug terminals Axial terminals	Switching High frequency High current
<b>DCB</b>	7.5 ÷ 125	450 ÷ 1100Vdc	7 ÷ 20	Radial terminals boxed	DC-Link Medium-high frequency Medium-high current
<b>PHC</b>	0.1 ÷ 60	250 ÷ 850Vdc (160 ÷ 500Vac)	15 ÷ 375	Axial terminals	Switching High frequency High current
<b>PHB</b> - <b>RHB</b> (small size)	0.1 ÷ 100	250 ÷ 850Vdc (150 ÷ 500Vac)	15 ÷ 375	Radial terminals boxed	Switching High frequency High current
<b>PMC</b> - <b>RMC</b> (small size)	1.2 ÷ 100	250 ÷ 700Vdc (150 ÷ 400Vac)	15 ÷ 72.5	Lug terminals boxed	Switching High frequency High current



# ICEL PRODUCT RANGE

## Polypropylene film Capacitors

Type	Cn (µF)	Ur	du/dt (V/µs)	Execution	Applications
<b>MHBA</b>	0.47 ÷ 75	370 ÷ 800Vdc (160 ÷ 400Vac)	25 ÷ 120	Radial or Lug terminals boxed	Switching / DC-Link High frequency/current AC applications
<b>MHBS</b>	0.68 ÷ 100	575 ÷ 1275Vdc (240 ÷ 440Vac)	12.5 ÷ 61	Radial or Lug terminals boxed	Switching / DC-Link Medium-high frequency High current AC output filtering
<b>THZ</b>	0.68 ÷ 47	450 ÷ 1040Vdc (240 ÷ 550Vac)	28.5 ÷ 320	Radial terminals boxed	AC applications Harsh environment
<b>PPS</b>	0.0068 ÷ 10	700 ÷ 3000Vdc (420 ÷ 750Vac)	90 ÷ 1500	Axial terminals	Switching / snubber Medium-high pulse High current
<b>PHS</b>	0.0068 ÷ 18.5	550 ÷ 3000Vdc (340 ÷ 750Vac)	72 ÷ 1500	Radial terminals boxed	Switching / snubber Medium-high pulse High current
<b>PMS</b>	0.068 ÷ 18.5	550 ÷ 3000Vdc (340 ÷ 750Vac)	72 ÷ 750	Lug terminals boxed	Switching / snubber Medium-high pulse High current
<b>PPA</b>	0.0047 ÷ 6.8	700 ÷ 3000Vdc (420 ÷ 750Vac)	300 ÷ 5250	Axial terminals	Snubber / pulse High pulse High current
<b>PSB</b> - <b>RSB</b> (small size)	0.0047 ÷ 12	700 ÷ 3000Vdc (380 ÷ 750Vac)	285 ÷ 6300	Radial terminals boxed	Snubber / pulse High pulse High current
<b>PMB</b> - <b>RMB</b> (small size)	0.047 ÷ 12	700 ÷ 3000Vdc (380 ÷ 750Vac)	285 ÷ 2500	Lug terminals boxed	Snubber / pulse High pulse High current
<b>MAR</b>	0.22 ÷ 60	370 ÷ 800Vdc (160 ÷ 400Vac)	15 ÷ 120	Axial terminals	Switching AC applications Medium-high current
<b>MAB*</b>	0.1 ÷ 40	370 ÷ 1200Vdc (160 ÷ 500Vac)	25 ÷ 175	Radial or Cable terminals boxed	Motor run AC applications

\*MABA01 and MABA02 EN60252-1 IMQ approved; all types UL810 construction only approved, execution upon request.

**For Quality System UNI EN ISO 9001 certification, products approval information, components updated characteristics, last version specifications, not for new design series specifications, news, general data and additional information please refer to ICEL web site**

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## MTR



### Main applications

- Blocking, filtering, bypassing, timing, coupling, decoupling, general applications in electronics
- Low AC voltage motor running
- Low pulse operation

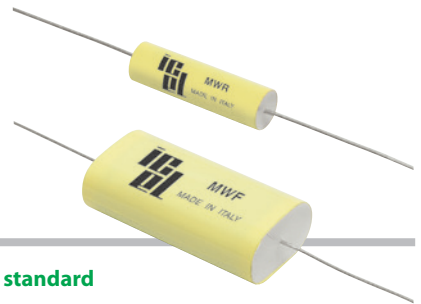
### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 1000V_{dc}$ .
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/2, IEC 60068, RoHS

MTR	$U_r$	$C_n$ ( $\mu F$ )	$du/dt$ (V/ $\mu s$ )	Nom. size D (mm) x L (mm)
	63 Vdc (40 Vac)	0.68 $\div$ 150	1 $\div$ 6	5x13 $\div$ 30.5x44
	100 Vdc (63 Vac)	0.68 $\div$ 120	1 $\div$ 9	6x13 $\div$ 33.5x44
	250 Vdc (160 Vac)	0.22 $\div$ 47	3.5 $\div$ 20	6x13 $\div$ 33.5x44
	400 Vdc (200 Vac)	0.1 $\div$ 22	6 $\div$ 30	6x13 $\div$ 34.5x44
	630 Vdc (220 Vac)	0.022 $\div$ 6.8	8 $\div$ 40	5.5x13 $\div$ 32.5x44
	1000 Vdc (400 Vac)	0.01 $\div$ 3.3	15 $\div$ 80	5.5x13 $\div$ 32.5x44



## MWR/MWF



### Main applications

- Blocking, filtering, bypassing, timing, coupling, decoupling, general applications in electronics
- Low AC voltage motor running
- Low power switching applications
- Low pulse operation

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 1000V_{dc}$ .
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/2, IEC 60068, RoHS

MWR	$U_r$	$C_n$ ( $\mu F$ )	$du/dt$ (V/ $\mu s$ )	Nom. size D (mm) x L (mm)
	50 Vdc (30 Vac)	1.5 $\div$ 10	6 $\div$ 9	7x13 $\div$ 12x19
	63 Vdc (40 Vac)	0.22 $\div$ 100	4 $\div$ 11	5x13 $\div$ 30.5x44
	100 Vdc (63 Vac)	0.15 $\div$ 68	4 $\div$ 12	5x13 $\div$ 32x44
	250 Vdc (160 Vac)	0.068 $\div$ 33	6.5 $\div$ 25	4.5x13 $\div$ 35x44
	400 Vdc (200 Vac)	0.022 $\div$ 10	10 $\div$ 40	4.5x13 $\div$ 31.5x44
	630 Vdc (220 Vac)	0.01 $\div$ 4.7	14 $\div$ 60	4.5x13 $\div$ 32.5x44
	1000 Vdc (400 Vac)	0.0047 $\div$ 2.2	20 $\div$ 80	5x13 $\div$ 30x44
1500 Vdc (440 Vac)	0.001 $\div$ 1.5	25 $\div$ 90	4.5x13 $\div$ 31.5x44	

MWF	$U_r$	$C_n$ ( $\mu F$ )	$du/dt$ (V/ $\mu s$ )	Nom. size B (mm) x H (mm) x L (mm)
	63 Vdc (40 Vac)	1.5 $\div$ 33	4 $\div$ 7	5.5x9.5x19 $\div$ 15.5x25.5x32
	100 Vdc (63 Vac)	1 $\div$ 47	4 $\div$ 9	5x9x19 $\div$ 20x30x44
	250 Vdc (160 Vac)	0.47 $\div$ 15	6.5 $\div$ 18	5.5x10x19 $\div$ 18x28x44
	400 Vdc (200 Vac)	0.15 $\div$ 6.8	10 $\div$ 25	5x9x19 $\div$ 20x30x44
	630 Vdc (220 Vac)	0.068 $\div$ 3.3	14 $\div$ 35	5x9x19 $\div$ 21.5x31x44
	1000 Vdc (400 Vac)	0.033 $\div$ 1.5	20 $\div$ 40	4.5x9.5x19 $\div$ 19x29x44
	1500 Vdc (440 Vac)	0.015 $\div$ 1	25 $\div$ 50	5x9x19 $\div$ 20x30x44



MWS



### Main applications

- High DC voltage applications
- Voltage multipliers
- Medical equipments

### Execution and reference standard

- Extended metallized film with internal series connection
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/2, IEC 60068, RoHS

MWS	Ur	Cn (μF)	du/dt (V/μs)	Nom. size D (mm) x L (mm)
	2500 Vdc (500 Vac)	0.0047 ÷ 0.56	70 ÷ 200	6.5x27 ÷ 38.5x47
	4000 Vdc (750 Vac)	0.0015 ÷ 0.22	175 ÷ 550	6.5x27 ÷ 38.5x44
	6300 Vdc (1200 Vac)	0.0015 ÷ 0.068	400 ÷ 800	8.5x38 ÷ 40x47
	10000 Vdc (1600 Vac)	0.0015 ÷ 0.018	1200	12.5x60 ÷ 40x60



MTB



### Main applications

- Blocking, filtering, bypassing, timing, coupling, decoupling, general applications in electronics
- Low AC voltage motor running
- Low pulse operation

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 1000V_{dc}$ .
- Box with radial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/2, IEC 60068, RoHS

MTB	Ur	Cn (μF)	du/dt (V/μs)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	63 Vdc (40 Vac)	0.68 ÷ 200	0.8 ÷ 3	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	100 Vdc (63 Vac)	0.33 ÷ 120	1.2 ÷ 5	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	160 Vdc (90 Vac)	0.33 ÷ 100	2.2 ÷ 9	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	250 Vdc (160 Vac)	0.1 ÷ 56	4 ÷ 12	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	400 Vdc (200 Vac)	0.047 ÷ 27	6.5 ÷ 20	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	630 Vdc (220 Vac)	0.033 ÷ 10	8 ÷ 25	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	1000 Vdc (400 Vac)	0.022 ÷ 4.7	15 ÷ 40	5x11x18 ÷ 35x50x42	15 ÷ 37.5



# MSB



## Main applications

- Blocking, filtering, bypassing, timing, coupling, decoupling, general applications in electronics
- Low AC voltage motor run applications
- Low power switching applications
- Low pulse operation

## Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 1000\text{Vdc}$ .
- Box with radial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/2, IEC 60068, RoHS

	$U_r$	$C_n$ ( $\mu\text{F}$ )	$du/dt$ ( $\text{V}/\mu\text{s}$ )	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
MSB	63 Vdc (40 Vac)	0.68 ÷ 120	4 ÷ 7	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	100 Vdc (63 Vac)	0.33 ÷ 100	4 ÷ 9	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	160 Vdc (90 Vac)	0.33 ÷ 56	5 ÷ 12	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	250 Vdc (160 Vac)	0.1 ÷ 40	6.5 ÷ 18	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	400 Vdc (200 Vac)	0.047 ÷ 15	10 ÷ 25	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	630 Vdc (220 Vac)	0.033 ÷ 6.8	14 ÷ 35	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	1000 Vdc (400 Vac)	0.01 ÷ 4.7	20 ÷ 40	5x11x18 ÷ 35x50x42	15 ÷ 37.5





## PWS



### Main applications

- Snubber and SCR commutating circuits in SMPSs
- High voltage, high current and high pulse applications up to very high operation frequencies

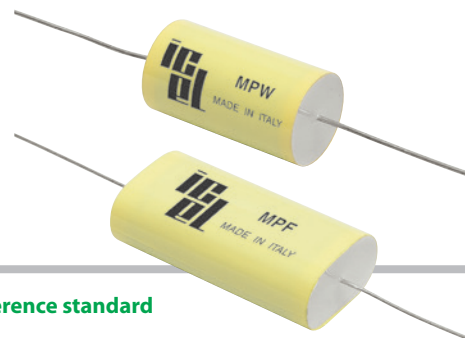
### Execution and reference standard

- Extended foil with internal series connection and metallized film
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/13, IEC 60068, RoHS

PWS	Ur	Cn (μF)	du/dt (V/μs)	Nom. size D (mm) x L (mm)
	630 Vdc (300 Vac)	0.015 ÷ 0.56	1800 ÷ 4300	7x19 ÷ 25x32
	1000 Vdc (400 Vac)	0.0033 ÷ 0.22	3700 ÷ 14000	7x19 ÷ 26x32
	1500 Vdc (450 Vac)	0.0022 ÷ 0.12	4500 ÷ 17000	7.5x19 ÷ 25x32
	2000 Vdc (500 Vac)	0.001 ÷ 0.068	7000 ÷ 27000	7.5x19 ÷ 25x32



## MPW/MPF



### Main applications

- Blocking, filtering, bypassing, timing, coupling, decoupling, audio applications, general applications in electronics
- Low power switching applications
- Medium-low pulse operation

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 1000V_{dc}$ .
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/16, IEC 60068, RoHS

MPW	Ur	Cn (μF)	du/dt (V/μs)	Nom. size D (mm) x L (mm)
	160 Vdc (90 Vac)	0.068 ÷ 33	9 ÷ 44	5x13 ÷ 33.5x44
	250 Vdc (200 Vac)	0.022 ÷ 15	11 ÷ 55	5x13 ÷ 34.5x44
	400 Vdc (220 Vac)	0.01 ÷ 6.8	22 ÷ 110	5x13 ÷ 30x44
	630 Vdc (250 Vac)	0.0068 ÷ 4.7	33 ÷ 190	5x13 ÷ 33.5x44
	1000 Vdc (450 Vac)	0.015 ÷ 0.47	70 ÷ 150	8.5x19 ÷ 22x32
	1500 Vdc (600 Vac)	0.001 ÷ 0.33	90 ÷ 250	4.5x13 ÷ 23x32

MPF	Ur	Cn (μF)	du/dt (V/μs)	Nom. size B (mm) x H (mm) x L (mm)
	160 Vdc (90 Vac)	0.33 ÷ 15	9 ÷ 25	5x9x19 ÷ 18x28x44
	250 Vdc (200 Vac)	0.15 ÷ 6.8	11 ÷ 31	5x9x19 ÷ 18.5x29x44
	400 Vdc (220 Vac)	0.068 ÷ 3.3	22 ÷ 61	5x8x19 ÷ 15x25x44
	630 Vdc (250 Vac)	0.033 ÷ 2.2	33 ÷ 100	5x9x19 ÷ 17.5x27.5x44
	1000 Vdc (450 Vac)	0.047 ÷ 0.33	70 ÷ 82.5	6x10x27 ÷ 13.5x23.5x32
	1500 Vdc (600 Vac)	0.01 ÷ 0.22	90 ÷ 187.5	5x9x19 ÷ 14x23.5x32



MPL



### Main applications

- Filtering, timing, integrating circuits
- High performance and high precision circuits
- Low pulse operation

### Execution and reference standard

- Extended metallized film
- Axial terminals
- Low tolerance execution on Capacitance up to  $\pm 1\%$
- UL 94 V-0, flame retardant execution
- IEC 60384/16, IEC 60068, RoHS

MPL	Ur	Cn ( $\mu\text{F}$ )	du/dt (V/ $\mu\text{s}$ )	Nom. size D (mm) x L (mm)
	160 Vdc (90 Vac)	0.0562 $\div$ 4.7	12.5 $\div$ 44	5x13 $\div$ 16x32
	250 Vdc (200 Vac)	0.0182 $\div$ 3.3	15 $\div$ 55	5x13 $\div$ 20x32
	400 Vdc (220 Vac)	0.00825 $\div$ 1.5	29 $\div$ 110	5x13 $\div$ 18x32
	630 Vdc (250 Vac)	0.00475 $\div$ 1	46 $\div$ 190	5x13 $\div$ 19x32



PPR



### Main applications

- Snubber, SCR commutating circuits, electronic ballasts, protection circuits in SMPSs
- High voltage, high current and high pulse operation up to very high operating frequencies

### Execution and reference standard

- Extended double side metallized carrier film
- Internal series connection and metallized film for  $U_r \geq 630\text{Vdc}$ .
- Box with radial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/16, IEC 60068, RoHS

PPR	Ur	Cn ( $\mu\text{F}$ )	du/dt (V/ $\mu\text{s}$ )	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	250 Vdc (175 Vac)	0.1 $\div$ 20	105 $\div$ 315	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5
	400 Vdc (230 Vac)	0.047 $\div$ 10	160 $\div$ 480	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5
	630 Vdc (400 Vac)	0.022 $\div$ 4.7	450 $\div$ 2500	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5
	1000 Vdc (600 Vac)	0.01 $\div$ 2.2	500 $\div$ 3300	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5
	1600 Vdc (650 Vac)	0.0033 $\div$ 1.2	1200 $\div$ 6000	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5
	2000 Vdc (700 Vac)	0.0022 $\div$ 0.68	1500 $\div$ 7000	5x11x18 $\div$ 35x50x42	15 $\div$ 37.5



# PPB



### Main applications

- Snubber, SCR commutating circuits, electronic ballasts, protection circuits in SMPSs, defectors circuits in TV sets
- High voltage, high current and high pulse operation up to very high operating frequencies

### Execution and reference standard

- Extended double side metallized carrier film
- Internal series connection and metallized film for  $U_r \geq 630Vdc$
- Box with radial terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/16, IEC 60384/17, IEC 60068, RoHS

PPB	Ur	Cn (μF)	du/dt (V/μs)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	250 Vdc (160 Vac)	0.047 ÷ 15	170 ÷ 560	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	400 Vdc (250 Vac)	0.033 ÷ 6.8	280 ÷ 910	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	630 Vdc (400 Vac)	0.01 ÷ 3	950 ÷ 3300	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	1000 Vdc (600 Vac)	0.0033 ÷ 1.8	1200 ÷ 5500	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	1600 Vdc (650 Vac)	0.0022 ÷ 0.82	1700 ÷ 7500	5x11x18 ÷ 35x50x42	15 ÷ 37.5
	2000 Vdc (700 Vac)	0.001 ÷ 0.47	2600 ÷ 9000	5x11x18 ÷ 35x50x42	15 ÷ 37.5



# MPH



### Main applications

- Storage, high frequency, high ripple current applications
- Input and output filtering in SMPSs, resonant circuits, high-end audio applications

### Execution and reference standard

- Extended metallized film
- Axial wire or lug terminals
- UL 94 V-0, flame retardant execution
- IEC 60384/16, IEC 60068, RoHS

WIRES	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size D (mm) x L (mm)
	100 Vdc	1 ÷ 30	10	4.5 ÷ 11.4	13.4x19 ÷ 30.4x57
	200 Vdc	1 ÷ 20	15	5.4 ÷ 12.8	13x32 ÷ 36.5x57
	400 Vdc	1 ÷ 10	20	7.1 ÷ 14.1	18.1x38 ÷ 42.3x57

LUGS	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size D (mm) x L (mm)	Pitch (mm)
	100 Vdc	2 ÷ 30	10	5.8 ÷ 11.9	15.1x29 ÷ 30.4x60	46.45 ÷ 79.75
	200 Vdc	2 ÷ 20	15	7 ÷ 13.4	17.7x36 ÷ 36.5x60	54.35 ÷ 79.75
	400 Vdc	1 ÷ 10	20	7.5 ÷ 14.7	18.1x44 ÷ 42.3x60	60.7 ÷ 79.75



## DCB



### Main applications

- DC capacitor for medium-low power DC-Link applications in inverters
- AC/DC motor controls and welding equipment
- Not suitable for AC applications: refer to MHBA/THZ/MHBS series

### Execution and reference standard

- Extended metallized film
- Box with multiple (2 or 4) radial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

DCB	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	450 Vdc	25 ÷ 125	7 ÷ 10	8 ÷ 21.5	22x33.5x42.5 ÷ 38x57.5x57.5	37.5 ÷ 52.5
	700 Vdc	12.5 ÷ 75	10 ÷ 13	7.5 ÷ 20.5	22x30x42.5 ÷ 38x57.5x57.5	37.5 ÷ 52.5
	900 Vdc	10 ÷ 50	11 ÷ 16	7.5 ÷ 20.5	22x33.5x42.5 ÷ 38x57.5x57.5	37.5 ÷ 52.5
	1100 Vdc	7.5 ÷ 35	13 ÷ 20	7 ÷ 18.5	22x33.5x42.5 ÷ 38x57.5x57.5	37.5 ÷ 52.5



## PHC



### Main applications

- Switching capacitor for industrial and motor speed controls
- High frequency electronic ballasts, switching mode power supplies, resonant circuits, induction heaters, high-end audio applications

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 850$ Vdc
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PHC	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size D (mm) x L (mm)
	250 Vdc (160 Vac)	1 ÷ 60	15 ÷ 50	4.5 ÷ 14	9x27 ÷ 38x57
	330 Vdc (220 Vac)	0.68 ÷ 40	20 ÷ 60	4.5 ÷ 14	9x27 ÷ 39x57
	400 Vdc (250 Vac)	0.47 ÷ 25	25 ÷ 75	4 ÷ 14	9x27 ÷ 37x57
	600 Vdc (330 Vac)	0.33 ÷ 15	40 ÷ 95	4 ÷ 14	10x27 ÷ 39x57
	700 Vdc (400 Vac)	0.22 ÷ 10	45 ÷ 135	4 ÷ 14	10.5x27 ÷ 39.5x57
	850 Vdc (500Vac)	0.1 ÷ 6.8	110 ÷ 375	3.5 ÷ 14	9.5x27 ÷ 39.5x57



## PHB/RHB



### Main applications

- Switching capacitor for industrial and motor speed controls
- High frequency electronic ballasts, switching mode power supplies, resonant circuits, induction heaters, high-end audio applications

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r \geq 850V_{dc}$
- Box with multiple (2, 4 or 6) radial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PHB/RHB	$U_r$	$C_n$ ( $\mu F$ )	$du/dt$ (V/ $\mu s$ )	$I_{rms}$ max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	250 Vdc (150/160 Vac)	1 $\div$ 100	15 $\div$ 50	4.5 $\div$ 34.5	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5
	330 Vdc (200/220 Vac)	0.68 $\div$ 60	17 $\div$ 60	5 $\div$ 33	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5
	400 Vdc (275 Vac)	0.47 $\div$ 35	20 $\div$ 75	4.5 $\div$ 30.5	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5
	435 Vdc (260 Vac)	4.7 $\div$ 40	32.5 $\div$ 70	11 $\div$ 27	18x33x32 $\div$ 38x57.5x57.5	27.5 $\div$ 52.5
	570 Vdc (330 Vac)	1.5 $\div$ 25	43.5 $\div$ 95	7 $\div$ 29	15x24.5x32 $\div$ 38x57.5x57.5	27.5 $\div$ 52.5
	600 Vdc (350Vac)	0.22 $\div$ 20	30 $\div$ 95	3.5 $\div$ 30.5	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5
	675 Vdc (370 Vac)	1.2 $\div$ 18.5	50 $\div$ 110	6.5 $\div$ 28.5	15x24.5x32 $\div$ 38x57.5x57.5	27.5 $\div$ 52.5
	700 Vdc (400 Vac)	0.15 $\div$ 12.5	40 $\div$ 135	4 $\div$ 29.5	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5
850 Vdc (500 Vac)	0.1 $\div$ 8.2	110 $\div$ 375	4 $\div$ 36	7x16x26.5 $\div$ 38x57.5x57.5	22.5 $\div$ 52.5	



## PMC/RMC



### Main applications

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

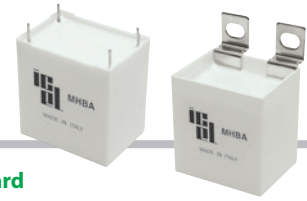
### Execution and reference standard

- Extended metallized film
- Box with lug terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PMC/RMC	$U_r$	$C_n$ ( $\mu F$ )	$du/dt$ (V/ $\mu s$ )	$I_{rms}$ max. (A)	Nom. size B (mm) x H (mm) x L (mm)
	250 Vdc (150/160 Vac)	10 $\div$ 100	15 $\div$ 27.5	12.5 $\div$ 37.5	17x28x42.5 $\div$ 38x57.5x57.5
	330 Vdc (200/220 Vac)	4.7 $\div$ 60	17 $\div$ 37.5	11 $\div$ 35.5	17x28x42.5 $\div$ 38x57.5x57.5
	400 Vdc (275 Vac)	4 $\div$ 35	20 $\div$ 40	16.5 $\div$ 34.5	17x28x42.5 $\div$ 38x57.5x57.5
	435 Vdc (270 Vac)	4.7 $\div$ 40	32.5 $\div$ 47.5	10 $\div$ 29	17x28x42.5 $\div$ 38x57.5x57.5
	570 Vdc (330 Vac)	2.5 $\div$ 25	43.5 $\div$ 65	10 $\div$ 31.5	17x28x42.5 $\div$ 38x57.5x57.5
	600 Vdc (350Vac)	2.2 $\div$ 20	30 $\div$ 55	14 $\div$ 32.5	17x28x42.5 $\div$ 38x57.5x57.5
	700 Vdc (400 Vac)	1.2 $\div$ 12	40 $\div$ 70	12 $\div$ 31.5	17x28x42.5 $\div$ 38x57.5x57.5



## MHBA



### Main applications

- Switching capacitor for industrial and motor speed controls, high frequency electronic ballasts, switching mode power supplies, resonant circuits, induction heaters
- Input-output AC filtering
- AC applications

### Execution and reference standard

- Extended metallized film
- Box with multiple (2, 4 or 6) radial or lug terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

MHBA	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	370 Vdc (160 Vac)	3 ÷ 75	25 ÷ 55	5 ÷ 31.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	500 Vdc (250 Vac)	1.5 ÷ 55	32.5 ÷ 70	4.5 ÷ 30	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	600 Vdc (330 Vac)	1.2 ÷ 33	40 ÷ 90	5 ÷ 29	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	700 Vdc (380 Vac)	0.68 ÷ 25	50 ÷ 110	3.5 ÷ 27	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	800 Vdc (400 Vac)	0.47 ÷ 20	55 ÷ 120	3 ÷ 26	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5



## MHBS



### Main applications

- DC-Link
- Switching capacitor for industrial and motor speed controls, SMPS, solar inverters, power converters and UPS
- AC output filtering (not for input filtering)
- Suitable for AC (not for across the line) applications with restrictions: please refer to MHBA and THZ
- High voltage and high capacitance in small size with long life expectancy,
- High current and high frequency operation capability

### Execution and reference standard

- Extended metallized film
- Box with multiple (2, 4 or 6) radial or lug terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

MHBS	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	575 Vdc (240 Vac)	3 ÷ 100	12.5 ÷ 27	4 ÷ 27.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	700 Vdc (285 Vac)	2.2 ÷ 80	14.5 ÷ 31	4 ÷ 28.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	800 Vdc (315 Vac)	2 ÷ 65	16.5 ÷ 36	4 ÷ 28.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	900 Vdc (350 Vac)	2.2 ÷ 50	18.5 ÷ 41.5	5 ÷ 28.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	1000 Vdc (400 Vac)	1.2 ÷ 40	21 ÷ 47	3.5 ÷ 27.5	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	1100 Vdc (420 Vac)	1 ÷ 35	23 ÷ 50	3.5 ÷ 27	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	1275 Vdc (440 Vac)	0.68 ÷ 25	28 ÷ 61	4 ÷ 26	11x20x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5



# THZ



### Main applications

- AC power applications
- Input-output AC filtering
- Harsh environment applications

### Execution and reference standard

- Extended metallized film
- Internal series connection for  $U_r > 300\text{Vac}$
- Box with multiple (2, 4 or 6) radial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, AEC Q-200, RoHS

THZ	$U_r$	$C_n$ ( $\mu\text{F}$ )	$du/dt$ ( $\text{V}/\mu\text{s}$ )	$I_{\text{rms max.}}$ (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	450 Vdc (240 Vac)	3 ÷ 47	28.5 ÷ 62.5	7 ÷ 27	14x28x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	550 Vdc (300 Vac)	2.2 ÷ 33	36.5 ÷ 82.5	7 ÷ 27	14x28x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	630 Vdc (340 Vac)	1.5 ÷ 22	82.5 ÷ 182.5	7.5 ÷ 29	14x28x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	720 Vdc (400 Vac)	1 ÷ 17.5	97 ÷ 220	7.5 ÷ 28.5	14x28x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	800 Vdc (440 Vac)	1 ÷ 14	105 ÷ 235	7.5 ÷ 29	18x33x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	900 Vdc (475 Vac)	0.68 ÷ 12	120 ÷ 272.5	7 ÷ 29	14x28x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5
	1040 Vdc (550 Vac)	0.68 ÷ 9	135 ÷ 320	8 ÷ 27	18x33x32 ÷ 38x57.5x57.5	27.5 ÷ 52.5



# PPS



### Main applications

- Switching-Snubber
- Energy conversion and control in power semiconductor circuits, industrial and motor speed controls, SMPS, induction heaters
- High voltage, high current and medium-high pulse applications

### Execution and reference standard

- Extended metallized film with internal series connection
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PPS	$U_r$	$C_n$ ( $\mu\text{F}$ )	$du/dt$ ( $\text{V}/\mu\text{s}$ )	$I_{\text{rms max.}}$ (A)	Nom. size D (mm) x L (mm)
	700 Vdc (420 Vac)	0.15 ÷ 10	90 ÷ 235	3.5 ÷ 14	9.5x27 ÷ 39.5x57
	850 Vdc (500 Vac)	0.1 ÷ 6.8	110 ÷ 375	3.5 ÷ 14	9.5x27 ÷ 39.5x57
	1000 Vdc (525 Vac)	0.068 ÷ 4.7	135 ÷ 425	3 ÷ 14	9.5x27 ÷ 38.5x57
	1200 Vdc (550 Vac)	0.047 ÷ 3.3	150 ÷ 480	2.5 ÷ 14	9x27 ÷ 37x57
	1500 Vdc (600 Vac)	0.033 ÷ 2.2	175 ÷ 610	2.5 ÷ 14	9.5x27 ÷ 38x57
	2000 Vdc (650 Vac)	0.022 ÷ 1.5	225 ÷ 810	2.5 ÷ 14	10x27 ÷ 39.5x57
	2500 Vdc (700 Vac)	0.01 ÷ 1	280 ÷ 1050	1.5 ÷ 14	9.5x27 ÷ 40x57
	3000 Vdc (750 Vac)	0.0068 ÷ 0.56	370 ÷ 1500	1 ÷ 14	10x27 ÷ 40x57



## PHS



### Main applications

- Switching-Snubber
- Energy conversion and control in power semiconductor circuits, resonant circuits, industrial and motor speed controls, SMPS, induction heaters
- High voltage, high current and medium-high pulse applications

### Execution and reference standard

- Extended metallized film with internal series connection
- Box with multiple (2, 4 or 6) radial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
PHS	550 Vdc (340 Vac)	0.22 ÷ 18.5	72 ÷ 205	4.5 ÷ 37	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	700 Vdc (420 Vac)	0.15 ÷ 12.5	100 ÷ 250	4.5 ÷ 36.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	850 Vdc (500 Vac)	0.1 ÷ 8.2	110 ÷ 375	4 ÷ 36	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1000 Vdc (575 Vac)	0.068 ÷ 6.3	135 ÷ 425	3.5 ÷ 35	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1200 Vdc (630 Vac)	0.047 ÷ 4.7	150 ÷ 485	3 ÷ 34.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1500 Vdc (650 Vac)	0.033 ÷ 3	175 ÷ 610	2.5 ÷ 33	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	2000 Vdc (700 Vac)	0.015 ÷ 2	225 ÷ 810	2 ÷ 31	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	2500 Vdc (725 Vac)	0.01 ÷ 1.25	280 ÷ 1050	1.5 ÷ 28.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	3000 Vdc (750 Vac)	0.0068 ÷ 0.68	370 ÷ 1500	1.5 ÷ 26.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5



## PMS



### Main applications

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

### Execution and reference standard

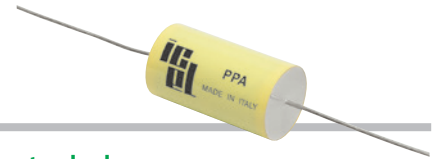
- Extended metallized film with internal series connection
- Box with lug terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size D (mm) x L (mm)
PMS	550 Vdc (340 Vac)	2 ÷ 18.5	72 ÷ 110	13 ÷ 38	17x28x42.5 ÷ 38x57.5x57.5
	700 Vdc (420 Vac)	1.5 ÷ 12	100 ÷ 150	15 ÷ 37	17x28x42.5 ÷ 38x57.5x57.5
	850 Vdc (500 Vac)	1 ÷ 8	110 ÷ 200	14.5 ÷ 36.5	17x28x42.5 ÷ 38x57.5x57.5
	1000 Vdc (575 Vac)	0.68 ÷ 6	135 ÷ 225	14 ÷ 36	17x28x42.5 ÷ 38x57.5x57.5
	1200 Vdc (630 Vac)	0.47 ÷ 4.7	150 ÷ 255	12.5 ÷ 35.5	17x28x42.5 ÷ 38x57.5x57.5
	1500 Vdc (650 Vac)	0.33 ÷ 3	175 ÷ 320	12 ÷ 34	17x28x42.5 ÷ 38x57.5x57.5
	2000 Vdc (700 Vac)	0.22 ÷ 2	225 ÷ 410	11.5 ÷ 32	17x28x42.5 ÷ 38x57.5x57.5
	2500 Vdc (725 Vac)	0.1 ÷ 1.2	280 ÷ 550	8 ÷ 29.5	17x28x42.5 ÷ 38x57.5x57.5
	3000 Vdc (750 Vac)	0.068 ÷ 0.68	370 ÷ 750	8 ÷ 27	17x28x42.5 ÷ 38x57.5x57.5





## PPA



### Main applications

- Snubber capacitor for energy conversion and control in power semiconductor circuits, protection circuits in SMPSs, induction heaters
- High voltage, high current and high pulse applications

### Execution and reference standard

- Extended double side metallized carrier film with internal series connection and metallized film
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PPA	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size D (mm) x L (mm)
	700 Vdc (420 Vac)	0.1 ÷ 6.8	300 ÷ 950	3.5 ÷ 14	10x27 ÷ 40x57
	850 Vdc (500 Vac)	0.068 ÷ 4.7	375 ÷ 1200	3.5 ÷ 14	9.5x27 ÷ 39.5x57
	1000 Vdc (525 Vac)	0.047 ÷ 3.3	425 ÷ 1400	2.5 ÷ 14	8.5x27 ÷ 38x57
	1200 Vdc (550 Vac)	0.033 ÷ 3	500 ÷ 1600	2 ÷ 14	8.5x27 ÷ 40x57
	1500 Vdc (600 Vac)	0.022 ÷ 2	625 ÷ 2000	2 ÷ 14	8.5x27 ÷ 40x57
	2000 Vdc (650 Vac)	0.015 ÷ 1.2	800 ÷ 2750	2 ÷ 14	9x27 ÷ 38.5x57
	2500 Vdc (700 Vac)	0.01 ÷ 0.82	925 ÷ 3900	1.5 ÷ 14	9.5x27 ÷ 39.5x57
	3000 Vdc (750 Vac)	0.0047 ÷ 0.47	1275 ÷ 5250	1 ÷ 14	9x27 ÷ 39x57



## PSB/RSB



### Main applications

- Snubber capacitor for energy conversion and control in power semiconductor circuits, resonant circuits, protection circuits in SMPSs, induction heaters
- High voltage, high current and high pulse applications

### Execution and reference standard

- Extended double side metallized carrier film with internal series connection and metallized film
- Box with multiple (2, 4 or 6) radial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

PSB/RSB	Ur	Cn (μF)	du/dt (V/μs)	Irms max. (A)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	700 Vdc (380/420 Vac)	0.1 ÷ 12	285 ÷ 1200	4 ÷ 38	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	850 Vdc (500 Vac)	0.068 ÷ 8	360 ÷ 1550	4 ÷ 38	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1000 Vdc (575 Vac)	0.047 ÷ 6	450 ÷ 1800	3.5 ÷ 37.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1200 Vdc (630 Vac)	0.033 ÷ 4.7	500 ÷ 2000	3 ÷ 37.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	1500 Vdc (650 Vac)	0.022 ÷ 3.3	575 ÷ 2500	2.5 ÷ 32.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	2000 Vdc (700 Vac)	0.015 ÷ 2.2	725 ÷ 3600	2 ÷ 34.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	2500 Vdc (725 Vac)	0.0068 ÷ 1.5	930 ÷ 4900	1.5 ÷ 30.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5
	3000 Vdc (750 Vac)	0.0047 ÷ 1	1150 ÷ 6300	1.5 ÷ 27.5	7x16x26.5 ÷ 38x57.5x57.5	22.5 ÷ 52.5



## PMB/RMB



### Main applications

- Snubber capacitor for energy conversion and control in power semiconductor circuits, IGBT modules protection and SMPS protection circuits, resonant circuits
- High voltage, high current and high pulse applications

### Execution and reference standard

- Extended double side metallized carrier film with internal series connection and metallized film
- Box with lug terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, RoHS

	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size B (mm) x H (mm) x L (mm)
PMB/RMB	700 Vdc (380/420 Vac)	1 ÷ 12	285 ÷ 600	13.5 ÷ 39.5	17x28x42.5 ÷ 38x57.5x57.5
	850 Vdc (500 Vac)	0.68 ÷ 8	360 ÷ 750	13.5 ÷ 39.5	17x28x42.5 ÷ 38x57.5x57.5
	1000 Vdc (575 Vac)	0.47 ÷ 6	450 ÷ 870	13.5 ÷ 38.5	17x28x42.5 ÷ 38x57.5x57.5
	1200 Vdc (630 Vac)	0.33 ÷ 4.7	500 ÷ 1000	12 ÷ 38.5	17x28x42.5 ÷ 38x57.5x57.5
	1500 Vdc (650 Vac)	0.22 ÷ 3.3	575 ÷ 1220	12 ÷ 34.5	17x28x42.5 ÷ 38x57.5x57.5
	2000 Vdc (700 Vac)	0.1 ÷ 2.2	725 ÷ 1600	8.5 ÷ 35	17x28x42.5 ÷ 38x57.5x57.5
	2500 Vdc (725 Vac)	0.1 ÷ 1.5	930 ÷ 2050	9 ÷ 32	17x28x42.5 ÷ 38x57.5x57.5
	3000 Vdc (750 Vac)	0.047 ÷ 1	1150 ÷ 2500	7 ÷ 29	17x28x42.5 ÷ 38x57.5x57.5



## MAR



### Main applications

- General purpose capacitor for AC applications, motor run
- Switching capacitor for industrial and motor speed controls, electronic ballasts and SMPS

### Execution and reference standard

- Extended metallized film
- Axial terminals
- UL 94 V-0, flame retardant execution
- IEC 61071, IEC 60068, EN60252-1, RoHS

	Ur	Cn (μF)	du/dt (V/μs)	I <sub>rms</sub> max. (A)	Nom. size D (mm) x L (mm)
MAR	370 Vdc (160 Vac)	1 ÷ 60	15 ÷ 50	2.5 ÷ 14	9x27 ÷ 38x57
	500 Vdc (275 Vac)	0.68 ÷ 40	20 ÷ 60	2.5 ÷ 14	9x27 ÷ 39x57
	600 Vdc (320 Vac)	0.33 ÷ 25	25 ÷ 90	2 ÷ 14	8x27 ÷ 37x57
	700 Vdc (400 Vac)	0.33 ÷ 20	35 ÷ 105	2.5 ÷ 14	9.5x27 ÷ 39.5x57
	800 Vdc (400 Vac)	0.22 ÷ 15	40 ÷ 120	2 ÷ 14	9x27 ÷ 39x57



MAB



### Main applications

- Motor run capacitor
- General purpose AC applications
- Medium-low power switching capacitor for industrial and motor speed controls, electronic ballasts and SMPS

### Execution and reference standard

- Extended metallized film
- Box with radial terminals
- UL 94 V-1, UL 94 V-0, flame retardant execution
- IMQ approved series
- IEC 60068, EN 60252-1 (2011)+ A1 (2013), SEV1029, CSA 22.2 n.190 and UL810 (construction only), IEC 60335-1, RoHS

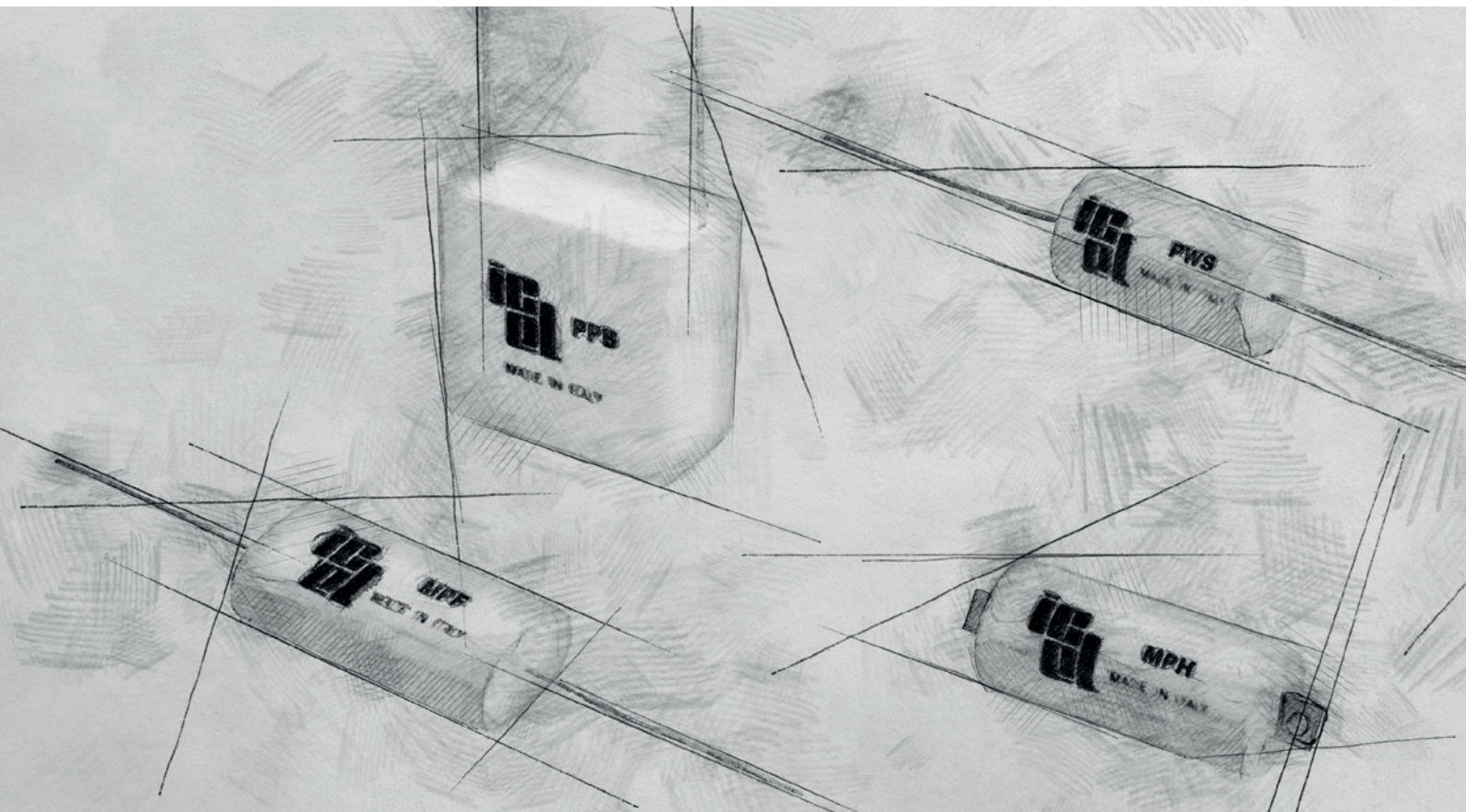
MAB	Ur	Cn (μF)	du/dt (V/μs)	Nom. size B (mm) x H (mm) x L (mm)	Pitch (mm)
	370 Vdc (160 Vac)	1 ÷ 40	25 ÷ 50	7x16x26.5 ÷ 35x50x42	22.5 ÷ 37.5
	500 Vdc (250 Vac)	0.68 ÷ 27	35 ÷ 60	7x16x26.5 ÷ 35x50x42	22.5 ÷ 37.5
	600 Vdc (320 Vac)	0.33 ÷ 18	50 ÷ 90	7x16x26.5 ÷ 35x50x42	22.5 ÷ 37.5
	800 Vdc (400 Vac)	0.1 ÷ 10	65 ÷ 120	7x16x26.5 ÷ 35x50x42	22.5 ÷ 37.5
	1200 Vdc (500 Vac)	0.1 ÷ 4.3	90 ÷ 175	7x16x26.5 ÷ 35x50x42	22.5 ÷ 37.5



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**ICEL s.r.l.**  
**Industria Componenti Elettronici**

Via Carlo Jucker, 16  
21053 Castellanza (Va) Italy  
**T** +39 0331 500 510 - **F** +39 0331 503 035  
[icel@icel.it](mailto:icel@icel.it)