



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



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

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, internal series connection for $U_r=850V_{dc}$ (refer to General Technical Information)

Terminals

Tinned copper wire (lead-free). 2x terminals ($S=5\pm 1mm$, $L=25\pm 5mm$ terminals length), 4x terminals ($SD=5,5\pm 1,5mm$) or 6x terminals ($ST=5,5\pm 1,5mm$) execution

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)

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)

PHB: $-40^{\circ} \dots +85^{\circ}C$ (+100 $^{\circ}C$ observing voltage and current de-rating)
RHB: $-40^{\circ} \dots +85^{\circ}C$

Max. permissible ambient temperature

PHB: $+70^{\circ}C$, operation at rated power, current, voltage and natural cooling ($+85^{\circ}C$ observing voltage and current de-rating)
RHB: $+70^{\circ}C$, operation at rated power, current, voltage and natural cooling

Nominal Capacitance (Cn) μF

PHB: 0,1 μF to 75 μF . Refer to article table
RHB: 1,2 μF to 100 μF . Refer to article table

Capacitance tolerance (at 1kHz)

$\pm 10\%$ (code=K), $\pm 5\%$ (code=J) and $\pm 20\%$ (code=M). 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

PHB: 250, 330, 400, 600, 700, 850 Vdc
RHB: 250, 330, 435, 570, 675 Vdc

Temperature de-rated voltage

PHB: For operating temperature (case) $> +85^{\circ}C$, U_r must be decreased 1,5% for every $^{\circ}C$ exceeding $+85^{\circ}C$, U_{rms} must be decreased 2,5% for every $^{\circ}C$ exceeding $+85^{\circ}C$

RHB: not applicable

Non recurrent surge voltage (Upk) at 85°C

PHB: 400, 500, 600, 800, 1000, 1200 Vdc

RHB: 335, 440, 580, 760, 900 Vdc

Self inductance

$\leq 1nH/mm$ of capacitor pitch

Maximum pulse rise time V/ μs

Refer to article table

Maximum peak current (Ipeak)

Refer to article table. Max. non repetitive $I_{pk} = 1,5 \times I_{peak}$

Dissipation factor (DF), max.

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

PHB:

$C_n \leq 5 \mu F$	$5 \mu F < C_n \leq 25 \mu F$	$25 \mu F < C_n \leq 60 \mu F$	$C_n > 60 \mu F$
5	8	10	12

RHB:

$C_n \leq 5 \mu F$	$5 \mu F < C_n \leq 25 \mu F$	$25 \mu F < C_n \leq 60 \mu F$	$C_n > 60 \mu F$
6	10	12	15

Insulation resistance (R_{INS})

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

Test voltage between terminals (Ut)

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

Test voltage between terminals and case (Utc)

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

Damp heat test (steady state)

Test conditions:

Temperature = $+40 \pm 2^{\circ}C$
Relative humidity = $93 \pm 2\%$
Test duration = 56 days

Performance:

Capacitance change $\leq \pm 2\%$
DF change ≤ 0.0010 at 1kHz
 $R_{INS} \geq 50\%$ of initial limit value

Typical capacitance change versus operating time

-5% after 30000 hours at U_{rms} or after 100000 hours at U_r

Life expectancy

≥ 100000 hours (U_r); 30000 hours (U_{rms})

Failure quota

300/10 9 component hours

Resistance to soldering heat test

Test conditions:

Solder bath temperature = $+260 \pm 5^{\circ}C$
Dipping time (with heat screen) = $10 \pm 1s$

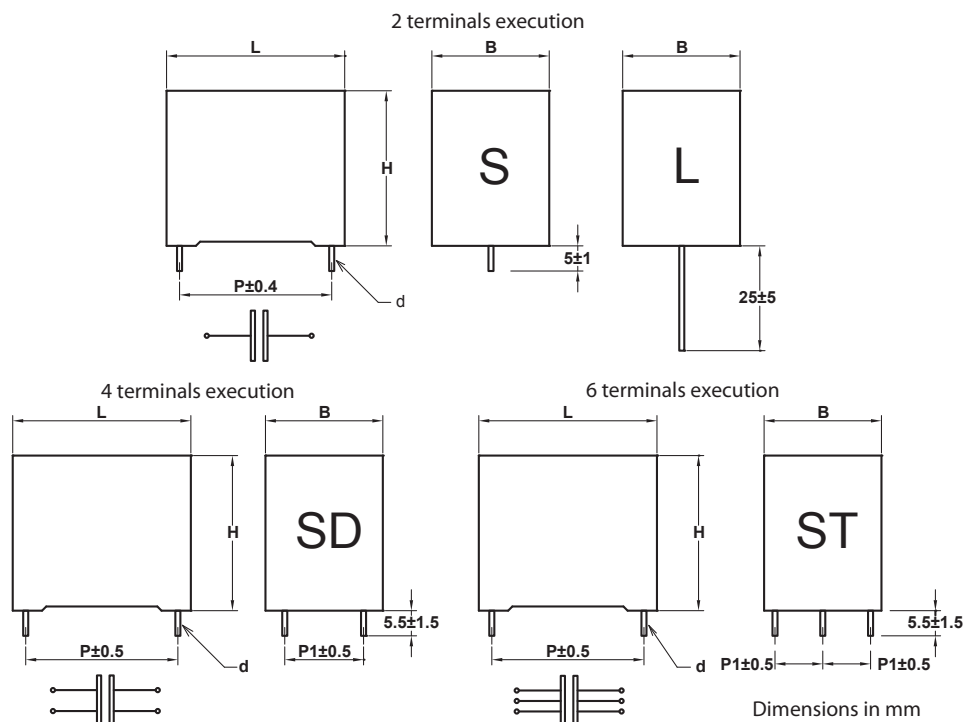
Performance:

Capacitance change $\leq \pm 1\%$
DF change ≤ 0.0010 at 1kHz
 $R_{INS} \geq 50\%$ of initial limit value



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



PHB / RHB 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⁾		B	H	L	d	P	P1						
250	150	6	15	24.5	32	1	27.5	-	40	240	7.5	6.8	RHB0354600*H#	
250	150	6.8	14	28	32	1.2	27.5	-	40	272	9	5.8	RHB0354680*H#	
250	150	10	18	33	32	1.2	27.5	-	40	400	11.5	4.8	RHB0355100*H#	
250	150	10	18	33	32	1.2	27.5	10.2	40	400	13	4.1	RHB0355100*HSD	
250	150	10	17	28	42.5	1.2	37.5	-	27.5	275	9.5	6.7	RHB0355100*J#	
250	150	12.5	17	32	42	1.2	37.5	-	27.5	343.7	10.5	5.9	RHB0355125*J#	
250	150	15	22	37	32	1.2	27.5	-	40	600	14	3.8	RHB0355150*H#	
250	150	15	22	37	32	1.2	27.5	10.2	40	600	17	3.1	RHB0355150*HSD	
250	150	15	22	30	42.5	1.2	37.5	-	27.5	412.5	11	5.3	RHB0355150*J#	
250	150	15	22	30	42.5	1.2	37.5	10.2	27.5	412.5	12.5	4.6	RHB0355150*JSD	
250	150	17.5	22	33.5	42.5	1.2	37.5	-	27.5	481.2	12.5	4.9	RHB0355175*J#	
250	150	17.5	22	33.5	42.5	1.2	37.5	10.2	27.5	481.2	13.5	4.2	RHB0355175*JSD	
250	150	20	20	40	41.5	1.2	37.5	-	27.5	550	14	4.6	RHB0355200*J#	
250	150	20	20	40	41.5	1.2	37.5	10.2	27.5	550	16	3.9	RHB0355200*JSD	
250	150	22	20	40	41.5	1.2	37.5	-	27.5	605	14	4.4	RHB0355220*J#	
250	150	22	20	40	41.5	1.2	37.5	10.2	27.5	605	16.5	3.7	RHB0355220*JSD	
250	150	25	28	37	42.5	1.2	37.5	-	27.5	687.5	14	4.2	RHB0355250*J#	
250	150	25	28	37	42.5	1.2	37.5	10.2	27.5	687.5	17	3.5	RHB0355250*JSD	
250	150	27.5	28	37	42.5	1.2	37.5	-	27.5	756.2	14	4	RHB0355275*J#	
250	150	27.5	28	37	42.5	1.2	37.5	10.2	27.5	756.2	17.5	3.3	RHB0355275*JSD	

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
⁽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 different power dissipation must be taken in consideration)
⁽⁴⁾ Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant 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⁾		B	H	L	d	P	P1					
250	150	30	24	44	41.5	1.2	37.5	-	27.5	825	14	3.8	RHB0355300*J#
250	150	30	24	44	41.5	1.2	37.5	10.2	27.5	825	20	3.1	RHB0355300*JSD
250	150	33	24	44	41.5	1.2	37.5	-	27.5	907.5	14	3.6	RHB0355330*J#
250	150	33	24	44	41.5	1.2	37.5	10.2	27.5	907.5	21	2.9	RHB0355330*JSD
250	150	40	30	45	42.5	1.2	37.5	-	27.5	1100	14	3.2	RHB0355400*J#
250	150	40	30	45	42.5	1.2	37.5	20.3	27.5	1100	22.5	2.5	RHB0355400*JSD
250	150	40	30	45	42.5	1.2	37.5	10.2	27.5	1100	23.5	2.4	RHB0355400*JST
250	150	47	35	50	42	1.2	37.5	-	27.5	1292.5	14	2.9	RHB0355470*J#
250	150	47	35	50	42	1.2	37.5	20.3	27.5	1292.5	27	2.2	RHB0355470*JSD
250	150	47	35	50	42	1.2	37.5	10.2	27.5	1292.5	28.5	2.1	RHB0355470*JST
250	150	50	35	50	42	1.2	37.5	-	27.5	1375	14	2.9	RHB0355500*J#
250	150	50	35	50	42	1.2	37.5	20.3	27.5	1375	27	2.2	RHB0355500*JSD
250	150	50	35	50	42	1.2	37.5	10.2	27.5	1375	29	2.1	RHB0355500*JST
250	150	55	30	45	57.5	1.2	52.5	-	19	1045	14	4.5	RHB0355550*R#
250	150	55	30	45	57.5	1.2	52.5	20.3	19	1045	19.5	3.8	RHB0355500*RSD
250	150	68	35	50	57.5	1.2	52.5	-	19	1292	14	4	RHB0355680*R#
250	150	68	35	50	57.5	1.2	52.5	20.3	19	1292	22.5	3.3	RHB0355680*RSD
250	150	75	35	50	57.5	1.2	52.5	-	19	1425	14	3.6	RHB0355750*R#
250	150	75	35	50	57.5	1.2	52.5	20.3	19	1425	24	2.9	RHB0355750*RSD
250	150	85	38	57.5	57.5	1.2	52.5	20.3	19	1615	27	2.6	RHB0355850*RSD
250	150	85	38	57.5	57.5	1.2	52.5	10.2	19	1615	28	2.5	RHB0355850*RST
250	150	100	38	57.5	57.5	1.2	52.5	20.3	19	1900	27	2.4	RHB0356100*RSD
250	150	100	38	57.5	57.5	1.2	52.5	10.2	19	1900	29	2.3	RHB0356100*RST
250	160	1	7	16	26.5	0.8	22.5	-	50	50	4.5	7.6	PHB1254100*G#
250	160	1.5	8.5	17	26.5	0.8	22.5	-	50	75	6.5	6.1	PHB1254150*G#
250	160	1.5	11	20	32	0.8	27.5	-	40	60	6.5	7.1	PHB1254150*H#
250	160	2	11	20	26.5	0.8	22.5	-	50	100	7.5	5.3	PHB1254200*G#
250	160	2	11	20	32	0.8	27.5	-	40	80	7	6.1	PHB1254200*H#
250	160	2.2	11	20	26.5	0.8	22.5	-	50	110	7.5	5.1	PHB1254220*G#
250	160	2.2	11	20	32	0.8	27.5	-	40	88	7	5.8	PHB1254220*H#
250	160	2.5	11	20	32	0.8	27.5	-	40	100	8	5.4	PHB1254250*H#
250	160	3	13	22	32	1	27.5	-	40	120	9	4.8	PHB1254300*H#
250	160	3.3	13	22	32	1	27.5	-	40	132	9.5	4.3	PHB1254330*H#
250	160	4	13	22	32	1	27.5	-	40	160	10.5	3.8	PHB1254400*H#
250	160	4.7	14	28	32	1.2	27.5	-	40	188	12	3.5	PHB1254470*H#
250	160	4.7	14	28	32	1.2	27.5	5.1	40	188	15	2.8	PHB1254470*HSD
250	160	5	14	28	32	1.2	27.5	-	40	200	12	3.4	PHB1254500*H#
250	160	5	14	28	32	1.2	27.5	5.1	40	200	15	2.7	PHB1254500*HSD
250	160	6.8	18	33	32	1.2	27.5	-	40	272	14	3.1	PHB1254680*H#
250	160	6.8	18	33	32	1.2	27.5	5.1	40	272	18	2.4	PHB1254680*HSD
250	160	10	18	33	32	1.2	27.5	-	40	400	14	2.6	PHB1255100*H#
250	160	10	18	33	32	1.2	27.5	10.2	40	400	20.5	1.9	PHB1255100*H# D
250	160	10	17	28	42.5	1.2	37.5	-	25	250	14	3.6	PHB1255100*J#
250	160	15	22	30	42.5	1.2	37.5	-	25	375	14	3.1	PHB1255150*J#
250	160	15	22	30	42.5	1.2	37.5	10.2	25	375	19.5	2.4	PHB1255150*JSD
250	160	20	28	37	42.5	1.2	37.5	-	25	500	14	2.8	PHB1255200*J#
250	160	20	28	37	42.5	1.2	37.5	10.2	25	500	24	2.1	PHB1255200*JSD

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant 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⁾		B	H	L	d	P	P1					
250	160	22	28	37	42.5	1.2	37.5	-	25	550	14	2.8	PHB1255220*J#
250	160	22	28	37	42.5	1.2	37.5	10.2	25	550	25	2.1	PHB1255220*JSD
250	160	25	28	37	42.5	1.2	37.5	-	25	625	14	2.6	PHB1255250*J#
250	160	25	28	37	42.5	1.2	37.5	20.3	25	625	26	1.9	PHB1255250*JSD
250	160	25	24	44	41.5	1.2	37.5	-	25	625	14	2.6	PHB1255250*J#A
250	160	25	24	44	41.5	1.2	37.5	10.2	25	625	26.5	1.9	PHB1255250*JSDA
250	160	30	30	45	42.5	1.2	37.5	-	25	750	14	2.3	PHB1255300*J#
250	160	30	30	45	42.5	1.2	37.5	20.3	25	750	26.5	1.8	PHB1255300*JSD
250	160	30	30	45	42.5	1.2	37.5	10.2	25	750	28.5	1.7	PHB1255300*JST
250	160	33	30	45	42.5	1.2	37.5	-	25	825	14	2.4	PHB1255330*J#
250	160	33	30	45	42.5	1.2	37.5	20.3	25	825	27	1.7	PHB1255330*JSD
250	160	33	30	45	42.5	1.2	37.5	10.2	25	825	29	1.6	PHB1255330*JST
250	160	40	35	50	42	1.2	37.5	-	25	1000	14	2.1	PHB1255400*J#
250	160	40	35	50	42	1.2	37.5	20.3	25	1000	27	1.4	PHB1255400*JSD
250	160	40	35	50	42	1.2	37.5	10.2	25	1000	36	1.3	PHB1255400*JST
250	160	40	30	45	57.5	1.2	52.5	-	15	600	14	3.3	PHB1255400*R#
250	160	40	30	45	57.5	1.2	52.5	20.3	15	600	26	2.6	PHB1255400*RSD
250	160	50	35	50	57.5	1.2	52.5	-	15	750	14	3	PHB1255500*R#
250	160	50	35	50	57.5	1.2	52.5	20.3	15	750	26.5	2.3	PHB1255500*RSD
250	160	50	35	50	57.5	1.2	52.5	10.2	15	750	30	2.2	PHB1255500*RST
250	160	60	35	50	57.5	1.2	52.5	-	15	900	14	2.7	PHB1255600*R#
250	160	60	35	50	57.5	1.2	52.5	20.3	15	900	27	2	PHB1255600*RSD
250	160	60	35	50	57.5	1.2	52.5	10.2	15	900	32	1.9	PHB1255600*RST
250	160	68	38	57.5	57.5	1.2	52.5	20.3	15	1020	27	2	PHB1255680*RSD
250	160	68	38	57.5	57.5	1.2	52.5	10.2	15	1020	33.5	1.9	PHB1255680*RST
250	160	75	38	57.5	57.5	1.2	52.5	20.3	15	1125	27	1.9	PHB1255750*RSD
250	160	75	38	57.5	57.5	1.2	52.5	10.2	15	1125	34.5	1.8	PHB1255750*RST
330	200	4	15	24.5	32	1	27.5	-	55	220	8	5.8	RHB0454400*H#
330	200	6.8	18	33	32	1.2	27.5	-	55	374	11.5	4.7	RHB0454680*H#
330	200	7.5	17	28	42.5	1.2	37.5	-	37.5	281.2	9.5	6.2	RHB0454750*J#
330	200	8.2	22	37	32	1.2	27.5	-	55	451	14	4.2	RHB0454820*H#
330	200	10	22	37	32	1.2	27.5	-	55	550	14	3.8	RHB0455100*H#
330	200	10	22	37	32	1.2	27.5	10.2	55	550	17	3.1	RHB0455100*HSD
330	200	10	22	30	42.5	1.2	37.5	-	37.5	375	11.5	5.3	RHB0455100*J#
330	200	10	22	30	42.5	1.2	37.5	10.2	37.5	375	12.5	4.6	RHB0455100*JSD
330	200	12	22	33.5	42.5	1.2	37.5	-	37.5	450	12.5	4.8	RHB0455120*J#
330	200	12	22	33.5	42.5	1.2	37.5	10.2	37.5	450	14	4.1	RHB0455120*JSD
330	200	15	20	40	41.5	1.2	37.5	-	37.5	562.5	14	4.3	RHB0455150*J#
330	200	15	20	40	41.5	1.2	37.5	10.2	37.5	562.5	17	3.6	RHB0455150*JSD
330	200	17.5	28	37	42.5	1.2	37.5	-	37.5	656.2	14	4	RHB0455175*J#
330	200	17.5	28	37	42.5	1.2	37.5	10.2	37.5	656.2	17.5	3.3	RHB0455175*JSD
330	200	20	24	44	41.5	1.2	37.5	-	37.5	750	14	3.7	RHB0455200*J#
330	200	20	24	44	41.5	1.2	37.5	10.2	37.5	750	20.5	3	RHB0455200*JSD
330	200	22	30	45	42.5	1.2	37.5	-	37.5	825	14	3.4	RHB0455220*J#
330	200	22	30	45	42.5	1.2	37.5	20.3	37.5	825	22	2.7	RHB0455220*JSD
330	200	25	30	45	42.5	1.2	37.5	-	37.5	937.5	14	3.2	RHB0455250*J#
330	200	25	30	45	42.5	1.2	37.5	20.3	37.5	937.5	23	2.5	RHB0455250*JSD

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
⁽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 different power dissipation must be taken in consideration)
⁽⁴⁾ Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



Voltage at +85°C		Cn μF	Dimensions (mm)						du/dt V/μs	Ipeak A	I _{rms} ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾
Ur (Vdc)	Urms (Vac) ⁽⁴⁾		B	H	L	d	P	P1					
330	200	30	35	50	42	1.2	37.5	-	37.5	1125	14	3	RHB0455300*J#
330	200	30	35	50	42	1.2	37.5	20.3	37.5	1125	27	2.3	RHB0455300*JSD
330	200	30	35	50	42	1.2	37.5	10.2	37.5	1125	28	2.2	RHB0455300*JST
330	200	33	35	50	42	1.2	37.5	-	37.5	1237.5	14	2.9	RHB0455330*J#
330	200	33	35	50	42	1.2	37.5	20.3	37.5	1237.5	27	2.2	RHB0455330*JSD
330	200	33	35	50	42	1.2	37.5	10.2	37.5	1237.5	29	2.1	RHB0455330*JST
330	200	35	30	45	57.5	1.2	52.5	-	26.5	927.5	14	3.9	RHB0455350*R#
330	200	35	30	45	57.5	1.2	52.5	20.3	26.5	927.5	21	3.2	RHB0455350*RSD
330	200	47	35	50	57.5	1.2	52.5	-	26.5	1245.5	14	3.3	RHB0455470*R#
330	200	47	35	50	57.5	1.2	52.5	20.3	26.5	1245.5	25	2.6	RHB0455470*RSD
330	200	60	38	57.5	57.5	1.2	52.5	20.3	26.5	1590	27	2.3	RHB0455600*RSD
330	200	60	38	57.5	57.5	1.2	52.5	10.2	26.5	1590	29.5	2.2	RHB0455600*RST
330	220	0.68	7	16	26.5	0.8	22.5	-	60	40.8	5	8.9	PHB1333680*G#
330	220	1	10	18.5	26.5	0.8	22.5	-	60	60	6.5	7	PHB1334100*G#
330	220	1.5	13	22	26.5	0.8	22.5	-	60	90	8	5.4	PHB1334150*G#
330	220	1.5	11	20	32	0.8	27.5	-	45	67.5	7.5	6.1	PHB1334150*H#
330	220	2	13	22	32	1	27.5	-	45	90	8.5	5.3	PHB1334200*H#
330	220	2.2	13	22	32	1	27.5	-	45	99	9	5.1	PHB1334220*H#
330	220	2.5	13	22	32	1	27.5	-	45	112.5	9.5	4.9	PHB1334250*H#
330	220	3	15	24.5	32	1	27.5	-	45	135	10.5	4.3	PHB1334300*H#
330	220	3.3	15	24.5	32	1	27.5	-	45	148.5	10.5	4.1	PHB1334330*H#
330	220	4.7	18	33	32	1.2	27.5	-	45	211.5	14	3.4	PHB1334470*H#
330	220	4.7	18	33	32	1.2	27.5	5.1	45	211.5	17	2.7	PHB1334470*HSD
330	220	5	18	33	32	1.2	27.5	-	45	225	14	3.3	PHB1334500*H#
330	220	5	18	33	32	1.2	27.5	5.1	45	225	17.5	2.6	PHB1334500*HSD
330	220	6.8	22	37	32	1.2	27.5	-	45	306	14	2.8	PHB1334680*H#
330	220	6.8	22	37	32	1.2	27.5	10.2	45	306	22	2.1	PHB1334680*HSD
330	220	6.8	17	28	42.5	1.2	37.5	-	30	204	14	3.7	PHB1334680*J#
330	220	10	22	33.5	42.5	1.2	37.5	-	30	300	14	3.1	PHB1335100*J#
330	220	10	22	33.5	42.5	1.2	37.5	10.2	30	300	19.5	2.4	PHB1335100*JSD
330	220	15	28	37	42.5	1.2	37.5	-	30	450	14	2.7	PHB1335150*J#
330	220	15	28	37	42.5	1.2	37.5	10.2	30	450	24	2	PHB1335150*JSD
330	220	15	24	44	41.5	1.2	37.5	-	30	450	14	2.7	PHB1335150*J#A
330	220	15	24	44	41.5	1.2	37.5	10.2	30	450	26	2	PHB1335150*JSDA
330	220	20	30	45	42.5	1.2	37.5	-	30	660	14	2.5	PHB1335200*J#
330	220	20	30	45	42.5	1.2	37.5	20.3	30	660	27	1.8	PHB1335200*JSD
330	220	20	30	45	42.5	1.2	37.5	10.2	30	660	29	1.7	PHB1335200*JST
330	220	25	35	50	42	1.2	37.5	-	30	750	14	2.2	PHB1335250*J#
330	220	25	35	50	42	1.2	37.5	20.3	30	750	27	1.5	PHB1335250*JSD
330	220	25	35	50	42	1.2	37.5	10.2	30	750	35	1.4	PHB1335250*JST
330	220	25	30	45	57.5	1.2	52.5	-	17	425	14	3.6	PHB1335250*R#
330	220	25	30	45	57.5	1.2	52.5	20.3	17	425	23	2.9	PHB1335250*RSD
330	220	30	30	45	57.5	1.2	52.5	-	17	510	14	3.4	PHB1335300*R#
330	220	30	30	45	57.5	1.2	52.5	20.3	17	510	24.5	2.7	PHB1335300*RSD
330	220	33	35	50	57.5	1.2	52.5	-	17	561	14	3.3	PHB1335330*R#
330	220	33	35	50	57.5	1.2	52.5	20.3	17	561	26	2.6	PHB1335330*RSD
330	220	33	35	50	57.5	1.2	52.5	10.2	17	561	28	2.5	PHB1335330*RST

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant 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⁾		B	H	L	d	P	P1					
330	220	40	35	50	57.5	1.2	52.5	-	17	680	14	3.1	PHB1335400*R#
330	220	40	35	50	57.5	1.2	52.5	20.3	17	680	27	2.4	PHB1335400*RSD
330	220	40	35	50	57.5	1.2	52.5	10.2	17	680	30	2.3	PHB1335400*RST
330	220	47	38	57.5	57.5	1.2	52.5	20.3	17	799	27	2.2	PHB1335470*RSD
330	220	47	38	57.5	57.5	1.2	52.5	10.2	17	799	31.5	2.1	PHB1335470*RST
330	220	55	38	57.5	57.5	1.2	52.5	20.3	17	892.5	27	2.1	PHB1335550*RSD
330	220	55	38	57.5	57.5	1.2	52.5	10.2	17	892.5	33	2	PHB1335550*RST
400	275	0.47	7	16	26.5	0.8	22.5	-	75	35.2	4.5	8.6	PHB1403470*G#
400	275	0.68	10	18.5	26.5	0.8	22.5	-	75	51	6.5	7.1	PHB1403680*G#
400	275	0.68	11	20	32	0.8	27.5	-	55	37.4	6.5	8.8	PHB1403680*H#
400	275	1	11	20	26.5	0.8	22.5	-	75	75	7.5	5.8	PHB1404100*G#
400	275	1	11	20	32	0.8	27.5	-	55	55	7	6.7	PHB1404100*H#
400	275	1.5	13	22	32	1	27.5	-	55	82.5	9	5.3	PHB1404150*H#
400	275	2	15	24.5	32	1	27.5	-	55	110	10	4.7	PHB1404200*H#
400	275	2.2	15	24.5	32	1	27.5	-	55	121	10.5	4.4	PHB1404220*H#
400	275	2.5	15	24.5	32	1	27.5	-	55	137	11	4.2	PHB1404250*H#
400	275	3	18	33	32	1.2	27.5	-	55	165	14	3.6	PHB1404300*H#
400	275	3	18	33	32	1.2	27.5	5.1	55	165	17	2.9	PHB1404300*HSD
400	275	3.3	18	33	32	1.2	27.5	-	55	181	14	3.5	PHB1404330*H#
400	275	3.3	18	33	32	1.2	27.5	5.1	55	181	17.5	2.8	PHB1404330*HSD
400	275	4	18	33	32	1.2	27.5	-	55	220	14	3.2	PHB1404400*H#
400	275	4	18	33	32	1.2	27.5	10.2	55	220	18.5	2.5	PHB1404400*HSD
400	275	4.7	22	37	32	1.2	27.5	-	55	258.5	14	2.8	PHB1404470*H#
400	275	4.7	22	37	32	1.2	27.5	10.2	55	258.5	21.5	2.1	PHB1404470*HSD
400	275	4.7	17	28	42.5	1.2	37.5	-	40	188	13.5	3.9	PHB1404470*J#
400	275	5	22	37	32	1.2	27.5	-	55	275	14	2.8	PHB1404500*H#
400	275	5	22	37	32	1.2	27.5	10.2	55	275	22	2.1	PHB1404500*HSD
400	275	5	22	30	42.5	1.2	37.5	-	40	200	14	3.7	PHB1404500*J#
400	275	6.8	22	30	42.5	1.2	37.5	-	40	272	14	3.3	PHB1404680*J#
400	275	6.8	22	30	42.5	1.2	37.5	10.2	40	272	19.5	2.6	PHB1404680*JSD
400	275	6.8	28	37	42.5	1.2	37.5	10.2	40	272	21.5	2.6	PHB1404680*JSD
400	275	10	28	37	42.5	1.2	37.5	-	40	400	14	2.8	PHB1405100*J#
400	275	10	28	37	42.5	1.2	37.5	20.3	40	400	24.5	2.1	PHB1405100*JSD
400	275	10	24	44	41.5	1.2	37.5	-	40	400	14	2.8	PHB1405100*J#A
400	275	10	24	44	41.5	1.2	37.5	10.2	40	400	26	2.1	PHB1405100*JSDA
400	275	15	30	45	42.5	1.2	37.5	-	40	600	14	2.4	PHB1405150*J#
400	275	15	30	45	42.5	1.2	37.5	20.3	40	600	27	1.7	PHB1405150*JSD
400	275	15	30	45	42.5	1.2	37.5	10.2	40	600	29.5	1.6	PHB1405150*JST
400	275	18	35	50	42	1.2	37.5	-	40	720	14	2.2	PHB1405180*J#
400	275	18	35	50	42	1.2	37.5	20.3	40	720	27	1.5	PHB1405180*JSD
400	275	18	35	50	42	1.2	37.5	10.2	40	720	34.5	1.4	PHB1405180*JST
400	275	20	30	45	57.5	1.2	52.5	-	20	400	14	3.7	PHB1405200*R#
400	275	20	30	45	57.5	1.2	52.5	20.3	20	400	24.5	3	PHB1405200*RSD
400	275	22	35	50	57.5	1.2	52.5	-	20	440	14	3.6	PHB1405220*R#
400	275	22	35	50	57.5	1.2	52.5	20.3	20	440	25.5	2.9	PHB1405220*RSD
400	275	22	35	50	57.5	1.2	52.5	10.2	20	440	27.5	2.8	PHB1405220*RST

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



Voltage at +85°C		Cn μF	Dimensions (mm)						du/dt V/μs	Ipeak A	I _{rms} ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾
Ur (Vdc)	Urms (Vac) ⁽⁴⁾		B	H	L	d	P	P1					
400	275	25	35	50	57.5	1.2	52.5	-	20	500	14	3.4	PHB1405250*R#
400	275	25	35	50	57.5	1.2	52.5	20.3	20	500	26	2.8	PHB1405250*RS
400	275	25	35	50	57.5	1.2	52.5	10.2	20	500	28	2.7	PHB1405250*RS
400	275	35	38	57.5	57.5	1.2	52.5	20.3	20	700	27	2.4	PHB1405350*RS
400	275	35	38	57.5	57.5	1.2	52.5	10.2	20	700	30.5	2.3	PHB1405350*RS
435	260	4.7	18	33	32	1.2	27.5	-	70	329	11	5.3	RHB0554470*H#
435	260	4.7	18	33	32	1.2	27.5	10.2	70	329	12.5	4.6	RHB0554470*HSD
435	260	5.6	17	32	42	1.2	37.5	-	70	392	12	4.7	RHB0554560*J#
435	260	6.3	22	37	32	1.2	27.5	-	70	441	14	4.4	RHB0554630*H#
435	260	6.3	22	37	32	1.2	27.5	10.2	70	441	16	3.7	RHB0554630*HSD
435	260	8	22	33.5	42.5	1.2	37.5	-	47.5	380	12	5.3	RHB0554800*J#
435	260	8	22	33.5	42.5	1.2	37.5	10.2	47.5	380	13	4.6	RHB0554800*JSD
435	260	10	20	40	41.5	1.2	37.5	-	47.5	475	14	4.8	RHB0555100*J#
435	260	10	20	40	41.5	1.2	37.5	10.2	47.5	475	16	4.1	RHB0555100*JSD
435	260	12	28	37	42.5	1.2	37.5	-	47.5	570	14	4.3	RHB0555120*J#
435	260	12	28	37	42.5	1.2	37.5	10.2	47.5	570	16.5	3.6	RHB0555120*JSD
435	260	13.5	24	44	41.5	1.2	37.5	-	47.5	641.2	14	4.1	RHB0555135*J#
435	260	13.5	24	44	41.5	1.2	37.5	10.2	47.5	641.2	19	3.4	RHB0555135*JSD
435	260	20	35	50	42	1.2	37.5	-	47.5	950	14	3.3	RHB0555200*J#
435	260	20	35	50	42	1.2	37.5	20.3	47.5	950	25.5	2.6	RHB0555200*JSD
435	260	22	35	50	42	1.2	37.5	-	47.5	1045	14	3.1	RHB0555220*J#
435	260	22	35	50	42	1.2	37.5	20.3	47.5	1045	27	2.4	RHB0555220*JSD
435	260	22	30	45	57.5	1.2	52.5	-	32.5	715	14	4.4	RHB0555220*R#
435	260	22	30	45	57.5	1.2	52.5	20.3	32.5	715	19.5	3.7	RHB0555220*RS
435	260	30	35	50	57.5	1.2	52.5	-	32.5	975	14	3.8	RHB0555300*R#
435	260	30	35	50	57.5	1.2	52.5	20.3	32.5	975	23	3.1	RHB0555300*RS
435	260	40	38	57.5	57.5	1.2	52.5	20.3	32.5	1300	27	2.7	RHB0555400*RS
570	330	1.5	15	24.5	32	1	27.5	-	95	142.5	7	7.5	RHB0704150*H#
570	330	2.5	18	33	32	1.2	27.5	-	95	237.5	11	5.5	RHB0704250*H#
570	330	3.3	22	37	32	1.2	27.5	-	95	313.5	13	4.8	RHB0704330*H#
570	330	3.3	22	37	32	1.2	27.5	10.2	95	313.5	14.5	4.1	RHB0704330*HSD
570	330	3.3	17	32	42	1.2	37.5	-	65	214.5	9.5	6.6	RHB0704330*J#
570	330	4	22	37	32	1.2	27.5	-	95	380	14	4.3	RHB0704400*H#
570	330	4	22	37	32	1.2	27.5	10.2	95	380	16	3.6	RHB0704400*HSD
570	330	4	22	30	42.5	1.2	37.5	-	65	260	11	5.8	RHB0704400*J#
570	330	4	22	30	42.5	1.2	37.5	10.2	65	260	12	5.1	RHB0704400*JSD
570	330	4.7	22	33.5	42.5	1.2	37.5	-	65	305.5	12	5.3	RHB0704470*J#
570	330	4.7	22	33.5	42.5	1.2	37.5	10.2	65	305.5	13	4.6	RHB0704470*JSD
570	330	5	22	33.5	42.5	1.2	37.5	-	65	325	12	5.2	RHB0704500*J#
570	330	5	22	33.5	42.5	1.2	37.5	10.2	65	325	13.5	4.5	RHB0704500*JSD
570	330	6	20	40	41.5	1.2	37.5	-	65	390	14	4.7	RHB0704600*J#
570	330	6	20	40	41.5	1.2	37.5	10.2	65	390	16	4	RHB0704600*JSD
570	330	6.8	28	37	42.5	1.2	37.5	-	65	442	14	4.4	RHB0704680*JS
570	330	6.8	28	37	42.5	1.2	37.5	10.2	65	442	16	3.7	RHB0704680*JSD
570	330	6.8	24	44	41.5	1.2	37.5	-	65	442	14	4.4	RHB0704680*J#A
570	330	6.8	24	44	41.5	1.2	37.5	10.2	65	442	18	3.7	RHB0704680*JSDA
570	330	7.5	24	44	41.5	1.2	37.5	-	65	487.5	14	4.1	RHB0704750*J#
570	330	7.5	24	44	41.5	1.2	37.5	10.2	65	487.5	19	3.4	RHB0704750*JSD

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



Voltage at +85°C		Cn μF	Dimensions (mm)						du/dt V/μs	Ipeak A	I _{rms} ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾
Ur (Vdc)	Urms (Vac) ⁽⁴⁾		B	H	L	d	P	P1					
570	330	10	30	45	42.5	1.2	37.5	-	65	650	14	3.5	RHB0705100*J#
570	330	10	30	45	42.5	1.2	37.5	20.3	65	650	21.5	2.9	RHB0705100*JSD
570	330	13	35	50	42	1.2	37.5	-	65	845	14	3	RHB0705130*J#
570	330	13	35	50	42	1.2	37.5	20.3	65	845	27	2.3	RHB0705130*JSD
570	330	15	30	45	57.5	1.2	52.5	-	43.5	652.5	14	3.9	RHB0705150*R#
570	330	15	30	45	57.5	1.2	52.5	20.3	43.5	652.5	21	3.2	RHB0705150*RSD
570	330	18.5	35	50	57.5	1.2	52.5	-	43.5	804.7	14	3.5	RHB0705185*R#
570	330	18.5	35	50	57.5	1.2	52.5	20.3	43.5	804.7	24.5	2.8	RHB0705185*RSD
570	330	22	38	57.5	57.5	1.2	52.5	20.3	43.5	957	27	2.6	RHB0705220*RSD
570	330	25	38	57.5	57.5	1.2	52.5	20.3	43.5	1087.5	27	2.4	RHB0705250*RSD
570	330	25	38	57.5	57.5	1.2	52.5	10.2	43.5	1087.5	29	2.3	RHB0705250*RST
600	350	0.22	7	16	26.5	0.8	22.5	-	95	20.9	3.5	12.8	PHB1603220*G#
600	350	0.33	8.5	17	26.5	0.8	22.5	-	95	31.3	5	9.5	PHB1603330*G#
600	350	0.47	10	18.5	26.5	0.8	22.5	-	95	44.6	6	8.3	PHB1603470*G#
600	350	0.47	11	20	32	0.8	27.5	-	75	35.2	6	10	PHB1603470*H#
600	350	0.68	13	22	26.5	0.8	22.5	-	95	64.6	7	6.9	PHB1603680*G#
600	350	0.68	11	20	32	0.8	27.5	-	75	51	7	7.6	PHB1603680*H#
600	350	1	13	22	32	1	27.5	-	75	75	8.5	6.1	PHB1604100*H#
600	350	1.5	14	28	32	1.2	27.5	-	75	112	11.5	4.6	PHB1604150*H#
600	350	2	18	33	32	1.2	27.5	-	75	150	14	3.9	PHB1604200*H#
600	350	2	18	33	32	1.2	27.5	10.2	75	150	16	3.2	PHB1604200*HSD
600	350	2.2	18	33	32	1.2	27.5	-	75	165	14	3.9	PHB1604220*H#
600	350	2.2	18	33	32	1.2	27.5	10.2	75	165	16.5	3.2	PHB1604220*HSD
600	350	3	22	37	32	1.2	27.5	-	75	225	14	3.3	PHB1604300*H#
600	350	3	22	37	32	1.2	27.5	10.2	75	225	21	2.6	PHB1604300*HSD
600	350	3	22	30	42.5	1.2	37.5	-	55	165	14	4.3	PHB1604300*J#
600	350	3.3	22	37	32	1.2	27.5	-	75	247	14	3.2	PHB1604330*H#
600	350	3.3	22	37	32	1.2	27.5	10.2	75	247	21.5	2.5	PHB1604330*HSD
600	350	3.3	22	30	42.5	1.2	37.5	-	55	181	14	4.1	PHB1604330*J#
600	350	4	22	33.5	42.5	1.2	37.5	-	55	220	14	3.6	PHB1604400*J#A
600	350	4	22	33.5	42.5	1.2	37.5	10.2	55	220	17.5	2.6	PHB1604400*JSDA
600	350	4	28	37	42.5	1.2	37.5	-	55	220	14	3.6	PHB1604400*J#
600	350	4	28	37	42.5	1.2	37.5	10.2	55	220	21	2.9	PHB1604400*JSD
600	350	4.7	20	40	41.5	1.2	37.5	-	55	258.5	14	3.3	PHB1604470*J#A
600	350	4.7	20	40	41.5	1.2	37.5	10.2	55	258.5	22	2.6	PHB1604470*JSDA
600	350	4.7	28	37	42.5	1.2	37.5	-	55	258.5	14	3.3	PHB1604470*J#
600	350	4.7	28	37	42.5	1.2	37.5	10.2	55	258.5	22	2.6	PHB1604470*JSD
600	350	5	20	40	41.5	1.2	37.5	-	55	275	14	3.3	PHB1604500*J#A
600	350	5	20	40	41.5	1.2	37.5	10.2	55	275	22.5	2.6	PHB1604500*JSDA
600	350	5	28	37	42.5	1.2	37.5	-	55	275	14	3.3	PHB1604500*J#
600	350	5	28	37	42.5	1.2	37.5	10.2	55	275	22	2.6	PHB1604500*JSD
600	350	6.8	24	44	41.5	1.2	37.5	-	55	374	14	2.8	PHB1604680*J#A
600	350	6.8	24	44	41.5	1.2	37.5	10.2	55	374	25.5	2.1	PHB1604680*JSDA
600	350	6.8	30	45	42.5	1.2	37.5	-	55	374	14	2.8	PHB1604680*J#
600	350	6.8	30	45	42.5	1.2	37.5	20.3	55	374	25	2.1	PHB1604680*JSD
600	350	9	30	45	42.5	1.2	37.5	-	55	495	14	2.6	PHB1604900*J#
600	350	9	30	45	42.5	1.2	37.5	20.3	55	495	27	1.9	PHB1604900*JSD
600	350	9	30	45	42.5	1.2	37.5	10.2	55	495	29	1.8	PHB1604900*JST

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant 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⁾		B	H	L	d	P	P1					
600	350	10	35	50	42	1.2	37.5	-	55	550	14	2.6	PHB1605100*J#
600	350	10	35	50	42	1.2	37.5	20.3	55	550	27	1.9	PHB1605100*JSD
600	350	10	35	50	42	1.2	37.5	10.2	55	550	30.5	1.8	PHB1605100*JST
600	350	10	30	45	57.5	1.2	52.5	-	30	300	14	4.5	PHB1605100*R#
600	350	10	30	45	57.5	1.2	52.5	20.3	30	300	22	3.8	PHB1605100*RSD
600	350	15	35	50	57.5	1.2	52.5	-	30	450	14	3.7	PHB1605150*R#
600	350	15	35	50	57.5	1.2	52.5	20.3	30	450	25	3	PHB1605150*RSD
600	350	15	35	50	57.5	1.2	52.5	10.2	30	450	26.5	2.9	PHB1605150*RST
600	350	20	38	57.5	57.5	1.2	52.5	20.3	30	600	27	2.6	PHB1605200*RSD
600	350	20	38	57.5	57.5	1.2	52.5	10.2	30	600	29.5	2.5	PHB1605200*RST
675	370	1.2	15	24.5	32	1	27.5	-	110	132	6.5	9	RHB08004120*H#
675	370	1.5	18	33	32	1.2	27.5	-	110	165	9.5	6.9	RHB0804150*H#
675	370	2.2	18	33	32	1.2	27.5	-	110	242	11	5.6	RHB0804220*H#
675	370	2.2	18	33	32	1.2	27.5	10.2	110	242	12	4.9	RHB0804220*HSD
675	370	2.2	17	28	42.5	1.2	37.5	-	72.5	159.5	9.5	6.7	RHB0804220*J#
675	370	2.5	17	32	42.5	1.2	37.5	-	72.5	181.2	10.5	6.3	RHB0804250*J#
675	370	3	22	37	32	1.2	27.5	-	110	330	13.5	4.8	RHB0804300*H#
675	370	3	22	37	32	1.2	27.5	10.2	110	330	15	4.1	RHB0804300*HSD
675	370	3.3	22	30	42.5	1.2	37.5	-	72.5	239.2	10.5	6.5	RHB0804330*J#
675	370	3.3	22	30	42.5	1.2	37.5	10.2	72.5	239.2	11	5.8	RHB0804330*JSD
675	370	3.75	22	33.5	42.5	1.2	37.5	-	72.5	271.8	11	6	RHB0804375*J#
675	370	3.75	22	33.5	42.5	1.2	37.5	10.2	72.5	271.8	12	5.3	RHB0804375*JSD
675	370	4	20	40	41.5	1.2	37.5	-	72.5	290	13	5.8	RHB0804400*J#
675	370	4	20	40	41.5	1.2	37.5	10.2	72.5	290	14	5.1	RHB0804400*JSD
675	370	4.5	20	40	41.5	1.2	37.5	-	72.5	326.2	14	5.4	RHB0804450*J#
675	370	4.5	20	40	41.5	1.2	37.5	10.2	72.5	326.2	15	4.7	RHB0804450*JSD
675	370	5	28	37	42.5	1.2	37.5	-	72.5	362.5	14	5.1	RHB0804500*J#
675	370	5	28	37	42.5	1.2	37.5	10.2	72.5	362.5	15	4.4	RHB0804500*JSD
675	370	5.6	28	37	42.5	1.2	37.5	-	72.5	406	14	4.8	RHB0804560*J#
675	370	5.6	28	37	42.5	1.2	37.5	10.2	72.5	406	16	4.1	RHB0804560*JSD
675	370	5.6	24	44	41.5	1.2	37.5	-	72.5	406	14	4.8	RHB0804560*J#A
675	370	5.6	24	44	41.5	1.2	37.5	10.2	72.5	406	17.5	4.1	RHB0804560*JSDA
675	370	6.8	30	45	42.5	1.2	37.5	-	72.5	493	14	4.3	RHB0804680*J#
675	370	6.8	30	45	42.5	1.2	37.5	20.3	72.5	493	19	3.6	RHB0804680*JSD
675	370	7.5	30	45	42.5	1.2	37.5	-	72.5	543.7	14	4	RHB0804750*J#
675	370	7.5	30	45	42.5	1.2	37.5	20.3	72.5	543.7	20	3.3	RHB0804750*JSD
675	370	10	35	50	42	1.2	37.5	-	72.5	725	14	3.3	RHB0805100*J#
675	370	10	35	50	42	1.2	37.5	20.3	72.5	725	25.5	2.6	RHB0805100*JSD
675	370	11.25	30	45	57.5	1.2	52.5	-	50	562.5	14	4.3	RHB0805115*R#
675	370	11.25	30	45	57.5	1.2	52.5	20.3	50	562.5	19.5	3.6	RHB0805115*RSD
675	370	12.5	35	50	57.5	1.2	52.5	-	50	625	14	4	RHB0805125*R#
675	370	12.5	35	50	57.5	1.2	52.5	20.3	50	625	22	3.3	RHB0805125*RSD
675	370	15	35	50	57.5	1.2	52.5	-	50	750	14	3.5	RHB0805150*R#
675	370	15	35	50	57.5	1.2	52.5	20.3	50	750	24	2.8	RHB0805150*RSD
675	370	18.5	38	57.5	57.5	1.2	52.5	20.3	50	900	27	2.5	RHB0805185*RSD
675	370	18.5	38	57.5	57.5	1.2	52.5	10.2	50	900	28.5	2.4	RHB0805185*RST

⁽¹⁾ Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
⁽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 different power dissipation must be taken in consideration)
⁽⁴⁾ Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant applications



Voltage at +85°C		Cn μF	Dimensions (mm)						du/dt V/μs	Ipeak A	I _{rms} ⁽²⁾ A	ESR ⁽³⁾ mΩ	ICEL CODE ⁽¹⁾
Ur (Vdc)	Urms (Vac) ⁽⁴⁾		B	H	L	d	P	P1					
700	400	0.15	7	16	26.5	0.8	22.5	-	135	20.2	4	13.4	PHB1703150*G#
700	400	0.22	8.5	17	26.5	0.8	22.5	-	135	29.7	4.5	10.7	PHB1703220*G#
700	400	0.33	11	20	26.5	0.8	22.5	-	135	44.5	6	8.5	PHB1703330*G#
700	400	0.33	11	20	32	0.8	27.5	-	105	34.6	6	10.7	PHB1703330*H#
700	400	0.47	13	22	32	1	27.5	-	105	49.3	7.5	7.5	PHB1703470*H#
700	400	0.68	15	24.5	32	1	27.5	-	105	71.4	9	6.1	PHB1703680*H#
700	400	1	18	33	32	1.2	27.5	-	105	105	13	4.6	PHB1704100*H#
700	400	1	18	33	32	1.2	27.5	10.2	105	105	15.5	3.9	PHB1704100*HSD
700	400	1.5	22	37	32	1.2	27.5	-	105	157	14	4	PHB1704150*H#
700	400	1.5	22	37	32	1.2	27.5	10.2	105	157	18	3.3	PHB1704150*HSD
700	400	1.5	17	28	42.5	1.2	37.5	-	70	105	12	5.6	PHB1704150*J#
700	400	2	22	37	32	1.2	27.5	-	105	210	14	3.5	PHB1704200*H#
700	400	2	22	37	32	1.2	27.5	10.2	105	210	20	2.8	PHB1704200*HSD
700	400	2	22	30	42.5	1.2	37.5	-	70	140	13	4.9	PHB1704200*J#
700	400	2.2	22	30	42.5	1.2	37.5	-	70	154	12	4.7	PHB1704220*J#
700	400	2.2	22	30	42.5	1.2	37.5	10.2	70	154	15.5	4	PHB1704220*JSD
700	400	3	28	37	42.5	1.2	37.5	-	70	210	14	3.9	PHB1704300*J#
700	400	3	28	37	42.5	1.2	37.5	10.2	70	210	20	3.2	PHB1704300*JSD
700	400	3.3	28	37	42.5	1.2	37.5	-	70	231	14	3.8	PHB1704330*J#
700	400	3.3	28	37	42.5	1.2	37.5	20.3	70	231	20.5	3.1	PHB1704330*JSD
700	400	3.3	24	44	41.5	1.2	37.5	-	70	231	14	3.8	PHB1704330*J#A
700	400	3.3	24	44	41.5	1.2	37.5	10.2	70	231	21.5	3.1	PHB1704330*JSDA
700	400	4	30	45	42.5	1.2	37.5	-	70	280	14	3.3	PHB1704400*J#
700	400	4	30	45	42.5	1.2	37.5	20.3	70	280	22.5	2.7	PHB1704400*JSD
700	400	4.7	30	45	42.5	1.2	37.5	-	70	329	14	3.1	PHB1704470*J#
700	400	4.7	30	45	42.5	1.2	37.5	20.3	70	329	25	2.4	PHB1704470*JSD
700	400	5	30	45	42.5	1.2	37.5	-	70	350	14	3	PHB1704600*J#
700	400	5	30	45	42.5	1.2	37.5	20.3	70	350	25.5	2.3	PHB1704600*JSD
700	400	6	35	50	42	1.2	37.5	-	70	420	14	2.7	PHB1704600*J#
700	400	6	35	50	42	1.2	37.5	20.3	70	420	27	2	PHB1704600*JSD
700	400	6	35	50	42	1.2	37.5	10.2	70	420	29.5	1.9	PHB1704600*JST
700	400	6	30	45	57.5	1.2	52.5	-	40	240	14	5	PHB1704600*R#
700	400	6	30	45	57.5	1.2	52.5	20.3	40	240	20	4.3	PHB1704600*RSD
700	400	6.8	30	45	57.5	1.2	52.5	-	40	272	14	4.7	PHB1704680*R#
700	400	6.8	30	45	57.5	1.2	52.5	20.3	40	272	21.5	4	PHB1704680*RSD
700	400	8	35	50	57.5	1.2	52.5	-	40	320	14	4.4	PHB1704800*R#
700	400	8	35	50	57.5	1.2	52.5	20.3	40	320	23.5	3.7	PHB1704800*RSD
700	400	9	35	50	57.5	1.2	52.5	-	40	360	14	4.1	PHB1704900*R#
700	400	9	35	50	57.5	1.2	52.5	20.3	40	360	25	3.4	PHB1704900*RSD
700	400	10	38	57.5	57.5	1.2	52.5	20.3	40	400	26	3.2	PHB1705100*RSD
700	400	12.5	38	57.5	57.5	1.2	52.5	20.3	40	500	27	2.9	PHB1705120*RSD
700	400	12.5	38	57.5	57.5	1.2	52.5	10.2	40	500	28.5	2.8	PHB1705120*RST
850	500	0.1	7	16	26.5	0.8	22.5	-	375	37.5	4	12.8	PHB1853100*G#
850	500	0.1	9	17	32	0.8	27.5	-	300	30	4	15	PHB1853100*H#
850	500	0.15	10	18.5	26.5	0.8	22.5	-	375	56.2	5	9.7	PHB1853150*G#
850	500	0.15	11	20	32	0.8	27.5	-	300	45	5.5	10.7	PHB1853150*H#
850	500	0.22	13	22	26.5	0.8	22.5	-	375	82.5	7	7.6	PHB1853220*G#
850	500	0.22	11	20	32	0.8	27.5	-	300	66	6.5	8.3	PHB1853220*H#
850	500	0.33	13	22	32	1	27.5	-	300	99	8	6.3	PHB1853330*H#

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation must be taken in consideration)
(4) Not suitable for across the line application.



PHB / RHB *NEW - In Progress*

- MKP • box with multiple radial terminals (RHB: small size)
- high current • high frequency • switching / resonant 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⁾		B	H	L	d	P	P1					
850	500	0.47	15	24.5	32	1	27.5	-	300	141	9.5	5.1	PHB1853470*H#
850	500	0.68	18	33	32	1.2	27.5	-	300	204	14	3.8	PHB1853680*H#
850	500	0.68	18	33	32	1.2	27.5	5.1	300	204	16	3.1	PHB1853680*HSD
850	500	1	22	37	32	1.2	27.5	-	300	300	14	3.1	PHB1854100*H#
850	500	1	22	37	32	1.2	27.5	10.2	300	300	20.5	2.4	PHB1854100*HSD
850	500	1	17	28	42.5	1.2	37.5	-	200	200	13	4.2	PHB1854100*J#
850	500	1.25	17	32	42	1.2	37.5	-	200	250	14	3.8	PHB1854125*J#
850	500	1.5	22	30	42.5	1.2	37.5	-	200	300	14	3.4	PHB1854150*J#
850	500	1.5	22	30	42.5	1.2	37.5	10.2	200	300	17.5	2.7	PHB1854150*JSD
850	500	2	28	37	42.5	1.2	37.5	-	200	400	14	3	PHB1854200*J#
850	500	2	28	37	42.5	1.2	37.5	10.2	200	400	22.5	2.3	PHB1854200*JSD
850	500	2	20	40	41.5	1.2	37.5	-	200	400	14	3	PHB1854200*J#A
850	500	2	20	40	41.5	1.2	37.5	10.2	200	400	23	2.3	PHB1854200*JSDA
850	500	2.2	28	37	42.5	1.2	37.5	-	200	440	14	3	PHB1854220*J#
850	500	2.2	28	37	42.5	1.2	37.5	10.2	200	440	23	2.3	PHB1854220*JSD
850	500	2.2	24	44	41.5	1.2	37.5	-	200	440	14	3	PHB1854220*J#A
850	500	2.2	24	44	41.5	1.2	37.5	10.2	200	440	24.5	2.3	PHB1854220*JSDA
850	500	2.5	28	37	42.5	1.2	37.5	-	200	500	14	2.8	PHB1854250*J#
850	500	2.5	28	37	42.5	1.2	37.5	20.3	200	500	24	2.1	PHB1854250*JSD
850	500	2.5	24	44	41.5	1.2	37.5	-	200	500	14	2.8	PHB1854250*J#A
850	500	2.5	24	44	41.5	1.2	37.5	10.2	200	500	26.5	2	PHB1854250*JSDA
850	500	3	30	45	42.5	1.2	37.5	-	200	600	14	2.4	PHB1854300*J#
850	500	3	30	45	42.5	1.2	37.5	20.3	200	600	27	1.8	PHB1854300*JSD
850	500	3	30	45	42.5	1.2	37.5	10.2	200	600	29	1.7	PHB1854300*JST
850	500	3.3	30	45	42.5	1.2	37.5	-	200	660	14	2.4	PHB1854330*J#
850	500	3.3	30	45	42.5	1.2	37.5	20.3	200	660	27	1.8	PHB1854330*JSD
850	500	3.3	30	45	42.5	1.2	37.5	10.2	200	660	30	1.7	PHB1854330*JST
850	500	4	35	50	42	1.2	37.5	-	200	800	14	2.2	PHB1854400*J#
850	500	4	35	50	42	1.2	37.5	20.3	200	800	27	1.6	PHB1854400*JSD
850	500	4	35	50	42	1.2	37.5	10.2	200	800	34	1.5	PHB1854400*JST
850	500	4	30	45	57.5	1.2	52.5	-	110	440	14	3.2	PHB1854400*R#
850	500	4	30	45	57.5	1.2	52.5	20.3	110	440	25	2.5	PHB1854400*RSD
850	500	4.3	35	50	42	1.2	37.5	-	200	860	14	2.2	PHB1854430*J#
850	500	4.3	35	50	42	1.2	37.5	20.3	200	860	27	1.6	PHB1854430*JSD
850	500	4.3	35	50	42	1.2	37.5	10.2	200	860	34.5	1.5	PHB1854430*JST
850	500	4.7	30	45	57.5	1.2	52.5	-	110	517	14	2.8	PHB1854470*R#
850	500	4.7	30	45	57.5	1.2	52.5	20.3	110	514	27	2.1	PHB1854470*RSD
850	500	5.6	35	50	57.5	1.2	52.5	-	110	616	14	2.7	PHB1854560*R#
850	500	5.6	35	50	57.5	1.2	52.5	20.3	110	616	27	2	PHB1854560*RSD
850	500	5.6	35	50	57.5	1.2	52.5	10.2	110	616	32	1.9	PHB1854560*RST
850	500	6	35	50	57.5	1.2	52.5	-	110	693	14	2.6	PHB1854600*R#
850	500	6	35	50	57.5	1.2	52.5	20.3	110	693	27	2	PHB1854600*RSD
850	500	6	35	50	57.5	1.2	52.5	10.2	110	693	33	1.9	PHB1854600*RST
850	500	6.8	38	57.5	57.5	1.2	52.5	20.3	110	748	27	1.9	PHB1854750*RSD
850	500	6.8	38	57.5	57.5	1.2	52.5	10.2	110	748	34	1.8	PHB1854750*RST
850	500	8.2	38	57.5	57.5	1.2	52.5	20.3	110	902	27	1.8	PHB1854820*RSD
850	500	8.2	38	57.5	57.5	1.2	52.5	10.2	110	902	36	1.7	PHB1854820*RST

(1) Change the * symbol with the needed capacitance tolerance code: J=±5%, K=±10%, M=±20% and the # symbol with S for 5mm or with L for 25 mm lead length
(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 different power dissipation 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