



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 $U_r=850Vdc$ (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)

Operating temperature range (case)

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

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: $0,1\mu F$ to $75\mu F$. Refer to article table
RHB: $1,2\mu F$ to $100\mu F$. 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 $100Vdc$ ($25 \pm 5^{\circ}C$)

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)

$3kV$ $50\pm 60Hz$ 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) = $10 \pm 1s$

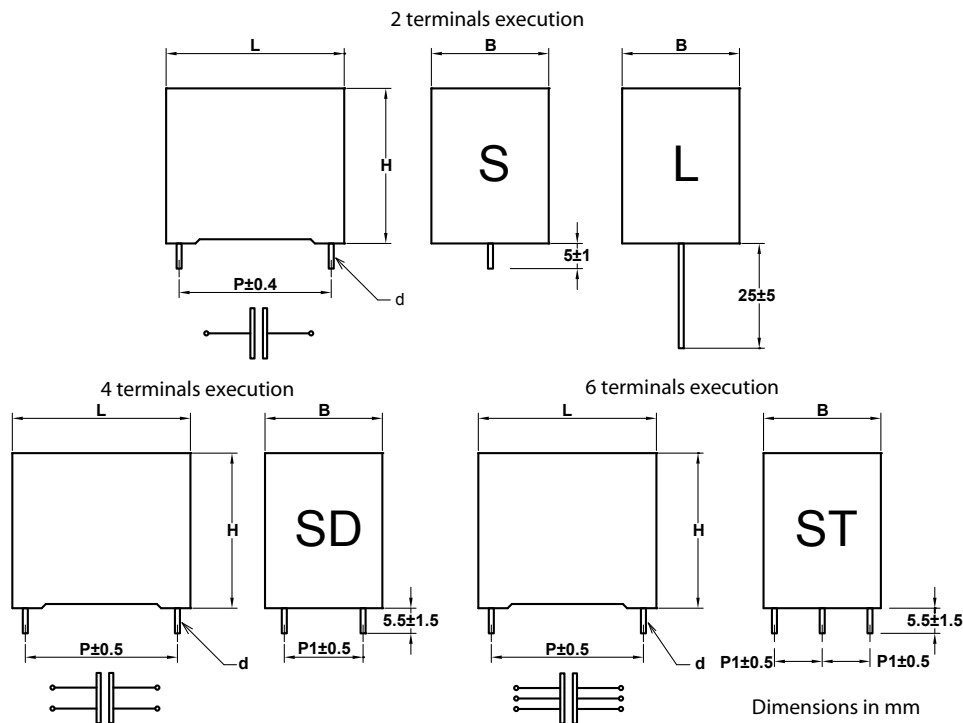
Performance:

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



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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)

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⁽⁴⁾ Not suitable for across the line application.



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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	15	22	30	42.5	1.2	37.5	-	25	375	14	3.6	PHB1255100*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

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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

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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

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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)	U _{rms} (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	PHB1335500*RSD
330	220	55	38	57.5	57.5	1.2	52.5	10.2	17	892.5	33	2	PHB1335500*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*JSDB
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

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PHB - RHB *NEW - In Progress*

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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⁾		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*RSD
400	275	25	35	50	57.5	1.2	52.5	10.2	20	500	28	2.7	PHB1405250*RST
400	275	35	38	57.5	57.5	1.2	52.5	20.3	20	700	27	2.4	PHB1405350*RSD
400	275	35	38	57.5	57.5	1.2	52.5	10.2	20	700	30.5	2.3	PHB1405350*RST
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*RSD
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*RSD
435	260	40	38	57.5	57.5	1.2	52.5	20.3	32.5	1300	27	2.7	RHB0555400*RSD
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

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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⁾		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

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PHB - RHB *NEW - In Progress*

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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⁾		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

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⁽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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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					
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#

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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⁾		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