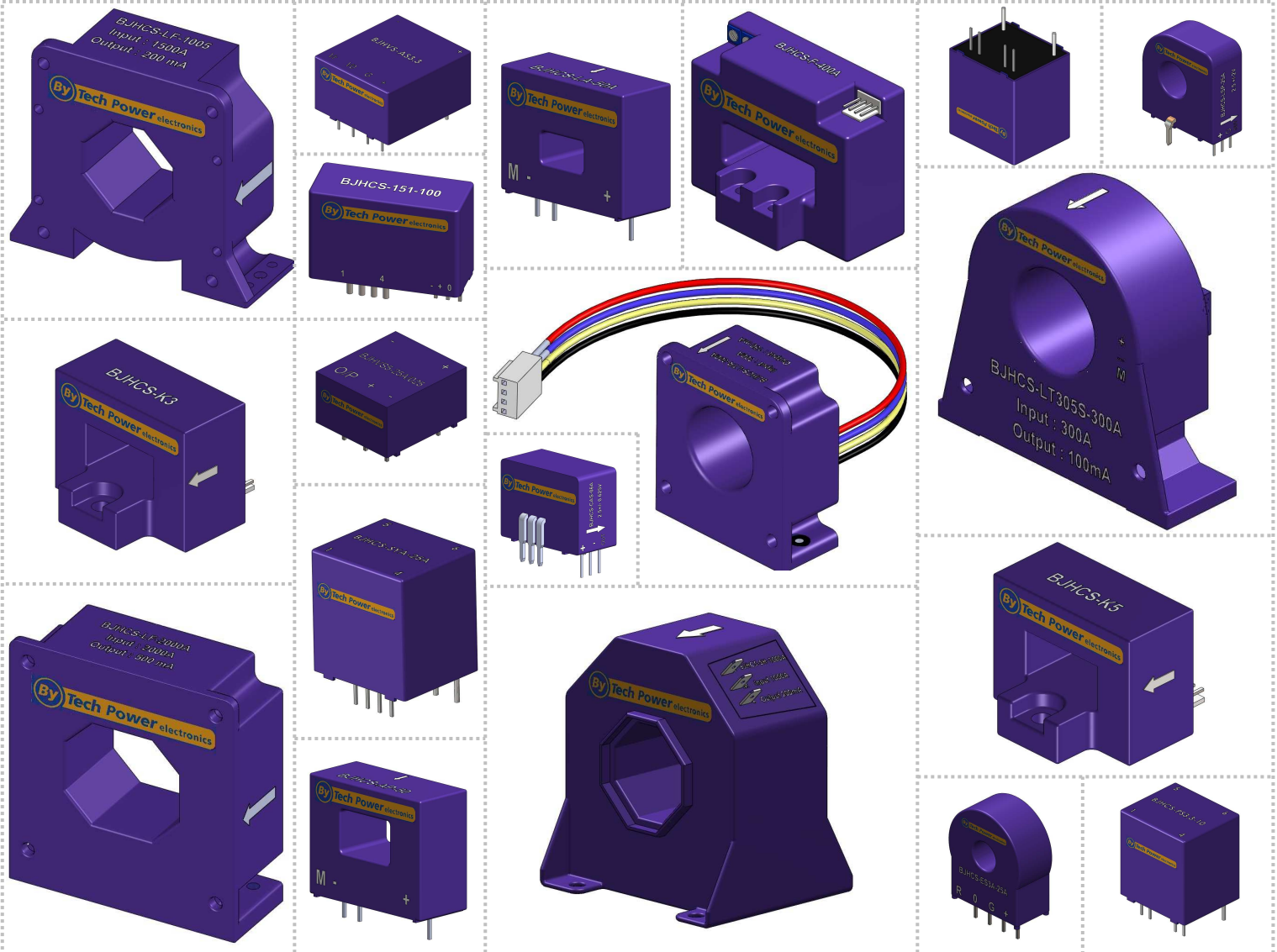


# Tech Power<sup>®</sup> Components



## HALL EFFECT SENSORS



# HALL EFFECT SYMETRIC VOLTAGES SUPPLY CURRENT SENSORS

Serie	$I_{PN}$ (A)	$I_P$ max (A)	Type	$V_C$ (Vdc)	$V_{OUT}/I_{OUT}$ @ $I_{PN}$	Accuracy @ $I_{PN} / T_A=25^\circ C$ (%)	Operating temperature ( $^\circ C$ )	Mounting type
BJHCS-151-100/100B	25 - 50	100	Closed loop	$\pm 15$	25 - 50 mA	0,5	-40 ... +85	A
BJHCS-151-104/204	25 - 50	120	Closed loop	$\pm 15$	12.5 - 25 mA	0,5	-40 ... +85	A
BJHCS-LT205M/S	50 /.../ 300	900	Closed loop	$\pm 12 \dots \pm 18$	50 /.../ 150 mA	0,5	-40 ... +85	C
BJHCS-LT305M/S	300 /.../ 500	1500	Closed loop	$\pm 15 \dots \pm 24$	100 mA	0,5	-40 ... +85	C
BJHCS-LTR	50 /.../ 300	900	Closed loop	$\pm 12 \dots \pm 18$	50 /.../ 150 mA	0,5	-40 ... +85	C
BJHCS-P	3 /.../ 50	150	Closed loop	$\pm 15$	4 V	0,5	-40 ... +85	A
BJHCS-SY	3 /.../ 50	150	Closed loop	$\pm 15$	4 V	0,5	-40 ... +85	A
BJHCS-SYA	3 /.../ 50	100	Closed loop	$\pm 15$	20 mA	0,5	-40 ... +85	A
BJHCS-BR	50 /.../ 600	900	Open loop	$\pm 15$	4 V	1	-40 ... +85	C
BJHCS-F	200 /.../ 2000	3000	Open loop	$\pm 15$	4 V	1	-40 ... +85	C
BJHCS-K3	50 /.../ 600	900	Open loop	$\pm 15$	4 V	1	-40 ... +85	C
BJHCS-LA	25 /.../ 100	150	Closed loop	$\pm 12 \dots \pm 15$	25 /.../ 50 mA	0,5	-40 ... +85	B
BJHCS-AP	50 /.../ 200	600	Closed loop	$\pm 12 \dots \pm 18$	50 /.../ 125 mA	0,5	-40 ... +85	B

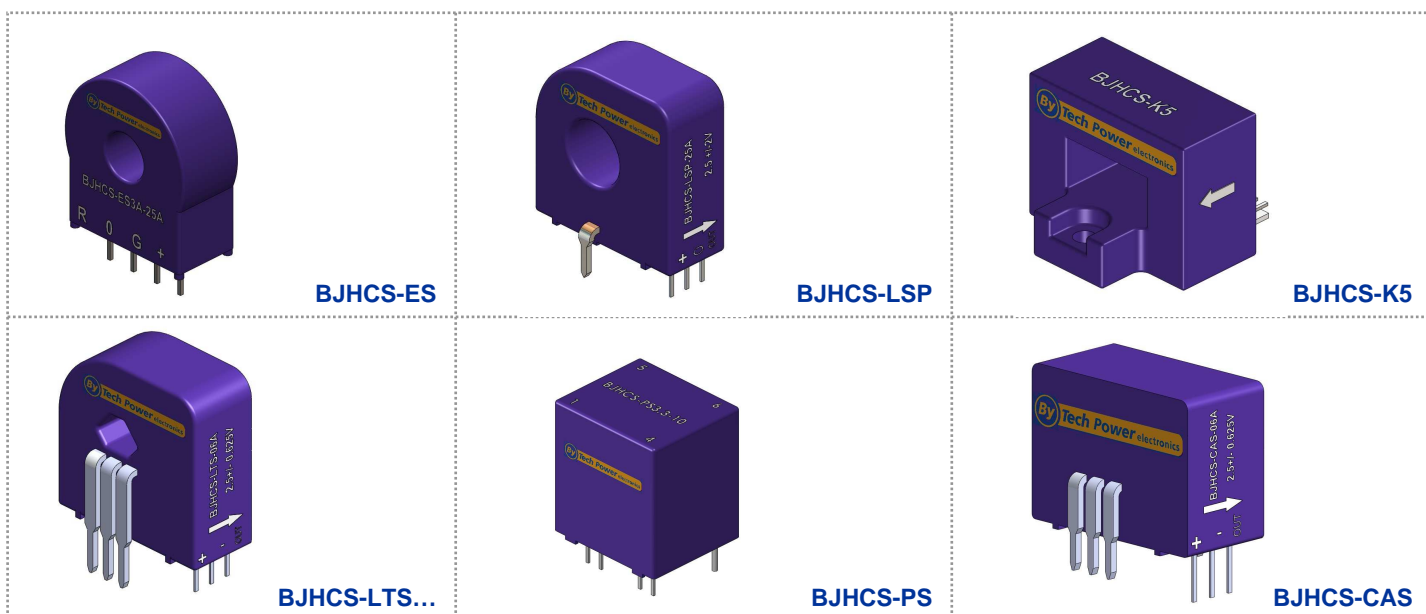


## Mounting Types :

- A : Primary and secondary currents on PCB
- B : Primary current through hole, secondary on PCB
- C : Frame mounting

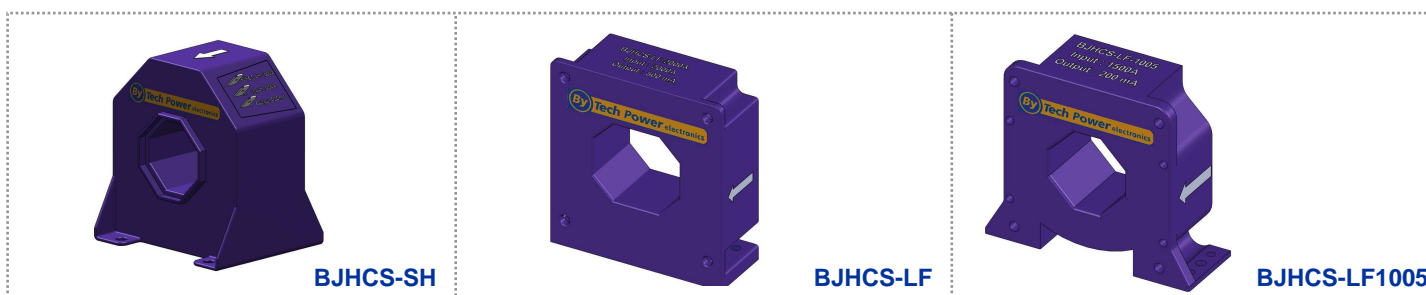
## HALL EFFECT SINGLE VOLTAGE SUPPLY CURRENT SENSORS

Serie	$I_{PN}$ (A)	$I_P$ max (A)	Type	$V_C$ (Vdc)	$V_{OUT}$ @ $I_{PN}$ (V)	Accuracy @ $I_{PN} / T_A=25^\circ\text{C}$ (%)	Operating temperature ( $^\circ\text{C}$ )	Mounting type
BJHCS-ES3A	25 - 50 - 75	150	Closed loop	+ 3.3	$1.65 \pm 0.625$	0,5	-40 ... +85	B
BJHCS-ES5A	25 - 50 - 75	200	Closed loop	+ 5	$2.5 \pm 0.625$	0,5	-40 ... +85	B
BJHCS-LSP	20 - 25	25	Closed loop	+ 5	$2.5 \pm 2$	0,7	-40 ... +85	A or B
BJHCS-LSP3	6 / ... / 25	50	Closed loop	+ 3.3	$1.65 \pm 0.625$	0,7	-40 ... +85	A or B
BJHCS-K5	50 / ... / 600	900	Open loop	+ 5	$2.5 \pm 0.625$	1	-40 ... +85	C
BJHCS-LTS	6 / ... / 50	150	Closed loop	+ 5	$2.5 \pm 0.625$	0,7	-40 ... +85	A or B
BJHCS-LTSR	6 / ... / 50	150	Closed loop	+ 5	$2.5 \pm 0.625$	0,7	-40 ... +85	A or B
BJHCS-LTS3	6 / ... / 50	84	Closed loop	+ 3.3	$1.65 \pm 0.625$	0,7	-40 ... +85	A or B
BJHCS-PS3.3	5 / ... / 25	50	Closed loop	+ 3.3	$1.65 \pm 0.625$	0,7	-40 ... +85	A
BJHCS-PS5	5 / ... / 25	80	Closed loop	+ 5	$2.5 \pm 0.625$	0,7	-40 ... +85	A
BJHCS-CAS	6 - 15 - 25	84	Closed loop	+ 5	$2.5 \pm 0.625$	0,5	-40 ... +85	A



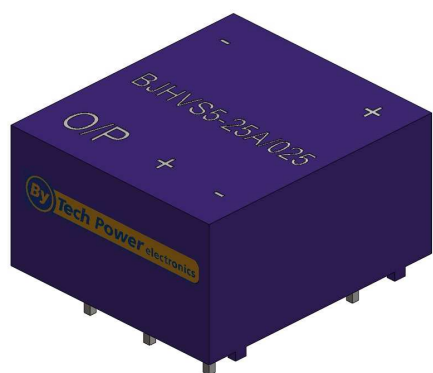
## HALL EFFECT HIGH PRECISION CURRENT SENSORS

Serie	$I_{PN}$ (A)	$I_P$ max (A)	Type	$V_C$ (Vdc)	$I_{OUT}$ @ $I_{PN}$ (mA)	Accuracy @ $I_{PN} / T_A=25^\circ\text{C}$ (%)	Operating temperature ( $^\circ\text{C}$ )	Mounting type
BJHCS-LF	1000 - 2000	3800	Closed loop	$\pm 15 \dots \pm 24$	200 - 500	0,2	-40 ... +85	C
BJHCS-LF1005	500 - 1000	1500	Closed loop	$\pm 15 \dots \pm 24$	100 - 200	0,2	-40 ... +85	C
BJHCS-SH	1000	2000	Closed loop	$\pm 15 \dots \pm 24$	200	0,2	-40 ... +85	C



## HALL EFFECT VOLTAGE SENSORS

Serie	V <sub>PN</sub> (V)	I <sub>PN</sub> (mA)	Type	V <sub>C</sub> (Vdc)	V <sub>OUT</sub> / I <sub>OUT</sub> @ I <sub>PN</sub>	Accuracy @ I <sub>PN</sub> / T <sub>A</sub> =25°C (%)	Operating tempe- rature (°C)	Mounting type
BJHVS5-25A	1200	5	Closed loop	± 15	25 mA	0,5	-40 ... +85	A
BJHVS5-025A	500	10	Closed loop	± 15	25 mA	0,5	-40 ... +85	A
BJHVS-AS3.3-5	1200	5	Closed loop	+ 3.3	1.65±0.625 V	0,5	-40 ... +85	A
BJHVS-AS3.3-10	500	10	Closed loop	+ 3.3	1.65±0.625 V	0,5	-40 ... +85	A



BJHVS5-25A025A



BJHVS5-AS3.3



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