



CURRENT SENSOR Application

EV / Automotive
电流传感器应用
——新能源车

Founded
2013

1200 employees, 200 R&D staff
 全球员工: 1200、技术人员: 200+

1200/200+

xMR device ~ 500 Mpcs/year
 xMR die ~ 5 亿颗/年

500 Mpcs

Y2022, current sensor production exceeds 100 Mpcs
 2022年, 电流传感器产出突破1亿颗

100 Mpcs

PV industry current sensors: Over 50% market dominance
 Automotive-grade current sensors: 30% global market share
 光伏行业电流传感器的市场占有率超过50%, 汽车行业30%

50%+



SINOMAGS
CURRENT SENSOR

Founded in 2013, Sinomags is dedicated to the development and production of magnetic sensors.

We have four subsidiary companies in Germany, Wuxi, Ningbo, and Bengbu. And we have invested in a magnetic encoder R&D and production based in Wuxi.

The company's R&D team consists of more than 200 engineers and experts in the field of magnetism and power electronics as the core, covering the design development and production of the whole industrial chain from xMR wafers to sensor modules.

With the mastery of the core technology of magnetic sensing and continuous innovation, Sinomags is providing more competitive solutions for new energy power generation, new energy vehicles, smart grid, smart home, smart manufacturing and other industries.

希磁科技成立于2013年, 专注于磁性传感器的研发与生产, 融合了设计、研发、生产以及销售于一体的运营模式, 坚持自主创新。

希磁科技在安徽、宁波、无锡和德国设有四家子公司, 并在无锡投资建立了磁性编码器研发生产基地。

希磁科技的产品系列包括:AMR, GMR, TMR晶圆, 磁性传感器芯片, 磁性传感器模组以及磁性检测系统等。

作为一家高新技术企业和国家专精特新小巨人企业, 我们全球的员工人数近1200人, 技术团队由磁学和电力学领域的多名专家领衔, 团队规模达200人。

凭借对磁传感核心技术的深入掌握和持续创新, 希磁科技正为新能源发电、新能源汽车、智能电网、智能家居以及智能制造等行业提供更具竞争力的解决方案, 推动技术进步和发展。



-  **Bengbu (Sinomags)**
 Headquarter
 Production for Current Sensor
-  **Wuxi (Lertech & Esstmags)**
 R&D
 Sales Centers
-  **Ningbo (Sinomags)**
 R&D & Production for Current Sensor
-  **Mainz (SENSITEC)**
 Waferfab for magnetic sensor
-  **Wetzlar (SENSITEC)**
 R&D Center for magnetic sensor

EV APPLICATION

新能源车应用

· AEC-Q100 Qualified · Wide range of current detection

· ISO26262 · ASIL B

AEC-Q100 认证

电流检测范围宽

ISO26262 & ASIL B

出色的电磁兼容性



◎ EPS & Headlight Power supply / 助力转向&大灯电源

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{ESD} (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@I _{pn} TA=25°C (%FS)	X _T Range (%FS)	Connction	Application
		Voltage	Current											
Open-loop	STK-600/M-MPFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	EPS
Closed-loop	STK-600/M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
Fluxgate	STK-616ZMF	O		3.3, 5	10 ~ 65	10 ~ 65	2	3.6	2000	0.05	1.5	3.5	SMT	Headlight Power supply
	STK-616ZMT	O		3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



STK-600/M -PFF&PSF&PSS STK-600/M-MPFF&MPSF STK-616ZMF STK-616ZMT

◎ Air Compressor & DC/DC Power supply / 空气压缩机&直流-直流电源

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _T Range (%FS)	Connction	Application
		Voltage	Current											
Open-loop	SHK-VBS2-D	O		5	545	1090	4	4	NC	3.5	1.5	3	THT	Air Compressor & DC/DC Power supply
Closed-loop	SHK-VBS3	O		5	100 ~ 900	100 ~ 900	5	4	100	3.5	2	3.5	THT	
Fluxgate	SHK-VBS3/Sx	O		5	400 ~ 900	400 ~ 900	4	4	100	3.5	1	3.5	THT	
	STK-600/M-MPFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	
	STK-600/M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
	STK-616AM	O		3.3, 5	25 ~ 100	25 ~ 100	4	4	600	0.9	1.5	3.5	SMT	
	STK-616AM3	O		3.3, 5	50 ~ 180	50 ~ 180	4	4	600	0.9	1	3.5	SMT	
	STK-616AM5	O		3.3, 5	20 ~ 200	20 ~ 200	4	4	600	0.9	1.5	3.5	SMT	
	STK-616AM8	O		3.3, 5	50 ~ 133	50 ~ 133	4	4	600	0.9	1	3.5	SMT	
	STK-616BML	O		3.3, 5	6.5 ~ 65	6.5 ~ 65	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616DML	O		3.3, 5	6 ~ 25	14.5 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616HML	O		3.3, 5	10 ~ 30	25 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT	
	STK-616KMF	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
	STK-616TML	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	600	0.9	3.5	3.5	SMT	
	STK-616TMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
	STK-616TMF5	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT	
	STK-616TMM	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT	
	STK-616TMW	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT	
	STK-616TMWD	O		3.3, 5	20 ~ 65	1,20 ~ 65	8	5	600	0.2	1.5	3.5	SMT	
	STK-616ZMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	2000	0.05	1.5	3.5	SMT	
	STK-616ZMT	O		3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



SHK-VBS2/D SHK-VBS3 SHK-VBS3/Sx SHK-VBS3/Sx
STK-600/M -PFF&PSF&PSS STK-600/M-MPFF&MPSF
STK-616xM STK-616AMx STK-616ZMF STK-616ZMT

EPS Headlight Power Supply

PDU, BDU

STB-CAB series
STK-616 series
SHK-VBS/D
SHK-VBS6/S2
SHK-2000VBS8

OBC/DC-DC

STK-600/M series
STK-616 series

Charging Pile

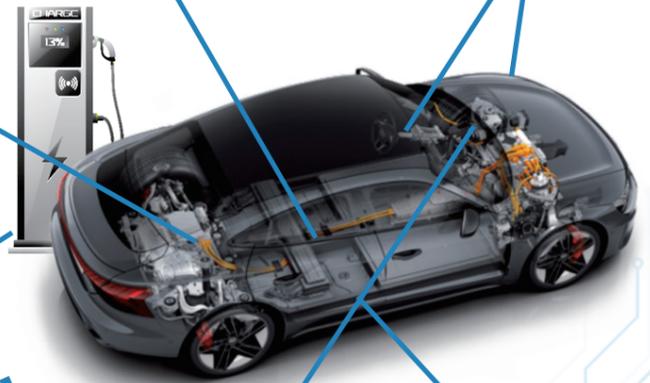
SFG-CPL series
STK-616 series STK-HD/K&P STK-PL series
STB-CAS series STK-600/M series
STK-HO

MCU

SHK-VBS series
SHK-VBS-T series

Air Compressor & DC/DC Power Supply

SHK-VBS6/S2 series
SHK-2000VBS8 series
STK-600/M series
STK-616TM series



◎ OBC, DC/DC & BMS / 车载充电机, 直流-直流 & 电池管理系统

Technology		Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{ESD} (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		STK-600/M-PFF&MPSF	O		3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	OBC,DC/DC	
O		STK-600-M-PFF&PSF&PSS	O		3.3, 5	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT		
O		STK-616AM	O		3.3, 5	25 ~ 100	25 ~ 100	4	4	600	0.9	1.5	3.5	SMT		
O		STK-616AM3	O		3.3, 5	50 ~ 180	50 ~ 180	4	4	600	0.9	1	3.5	SMT		
O		STK-616AM5	O		3.3, 5	20 ~ 200	20 ~ 200	4	4	600	0.9	1.5	3.5	SMT		
O		STK-616AM8	O		3.3, 5	50 ~ 133	50 ~ 133	4	4	600	0.9	1	3.5	SMT		
O		STK-616BML	O		3.3, 5	6.5 ~ 65	6.5 ~ 65	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616DML	O		3.3, 5	6 ~ 25	14.5 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616HML	O		3.3, 5	10 ~ 30	25 ~ 75	4	3.6	600	0.9	1.5	3.5	SMT		
O		STK-616KMF	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT		
O		STK-616TML	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	600	0.9	3.5	3.5	SMT		
O		STK-616TMF	O		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT		
O		STK-616TMF5	O		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT		
O		STK-616TMM	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT		
O		STK-616TMW	O		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	600	0.2	1.5	3.5	SMT		
O		STK-616TMWD	O		3.3, 5	20 ~ 65	1,20 ~ 65	8	5	600	0.2	1.5	3.5	SMT		
O		STB-CAB500	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping		OBC,DC/DC,BMS
O		STB-CAB540	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB600X-XXC	O		12	540	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB500x-xxx	O		12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1000X-xx	O		12	1000	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CABxxN-xxF	O		12	500~700	NA	4	2.5	NA	NA	NA	0.5	Clamping		
O		STB-CAB1500	O		12	600	NA	4	2.5	NA	NA	NA	0.5	Clamping		



◎ Motor Controller / 电机控制器

Technology		Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{ESD} (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_TRangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		SHK-VBS2-D	O		5	545	1090	4	4	NC	3.5	1.5	3	THT	Motor Controller	
O		SHK-VBS-D-A	O		5	75, 1000	NA	8	2.5	10	18	NA	3.3, 4.4	THT		
O		SHK-VBS-D-B	O		5	75, 500	NA	8	2.5	10	18	NA	3.3, 2.1	THT		
O		SHK-VBS-D-C	O		5	75, 750	NA	8	2.5	10	18	NA	3.3, 3	THT		
O		SHK-VBS-D-D	O		5	30, 350	NA	8	2.5	10	18	NA	3.3, 2.6	THT		
O		SHK-VBS-D-E	O		5	40, 400	NA	8	2.5	10	18	NA	3.7, 3.2	THT		

◎ Motor Controller / 电机控制器

Technology		Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{ESD} (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trangle (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Digital	Current											
O		SHK-VBS3	O		5	100 ~ 900	100 ~ 900	5	4	100	3.5	2	3.5	THT	Motor Controller	
O		SHK-VBS3/Sx	O		5	400 ~ 900	400 ~ 900	4	4	100	3.5	1	3.5	THT		
O		SHK-VBS-A1-S2	O		5	600	600	4	4	100	3.5	1.5	3.5	THT		
O		SHK-VBS-A3-S3	O		5	500 ~ 1200	500 ~ 1200	4	2	40	2	2.75	4	THT		
O		SHK-VBS-A3-S2	O		5	1000 ~ 1600	1000 ~ 1600	4	2	40	2	2.75	4	THT		
O		SHK-VBS5	O		5	100 ~ 900	100 ~ 900	4	4	100	3.5	1	3	THT		
O		SHK-VBS6-S2	O		5	100 ~ 1500	100 ~ 1500	4	4	40	2	2.25	3.25	THT		
O		SHK-VBS8	O		5	2000	2000	8	2.5	40	2	2.25	3.25	THT		
O		SHK-VBS-T3	O		5	545	1090	4	4	100	3.5	2	2.5	Clamping		
O		SHK-VBS-T3-S4	O		5	545	1090	4	4	100	3.5	2	2.5	Clamping		
O		SHK-VBS-T4	O		5	545	1090	4	4	120	3.5	2	2.5	Clamping		
O		SHK-VBS-T5-S2	O		5	300	300	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T6	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T6-S3	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T6-S5	O		5	800 ~ 1200	800 ~ 1200	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T6-S6	O		5	800 ~ 1200	800 ~ 1200	8	2.5	40	2	4.5	5.5	Clamping		
O		SHK-VBS-T7-S2	O		5	600 ~ 700	300 ~ 700	4	4	40	2	2 ~ 4	2	3.5		Clamping
O		SHK-VBS-T8-S2	O		5	300 ~ 1200	300 ~ 1200	4	4	40	4	2	3.5	Clamping		
O		SHK-VBS-T8-S3	O		5	300 ~ 1200	300 ~ 1200	4	4	40	4	2	3.5	Clamping		
O		SHK-VBS-T8-S5	O		5	1000	1000	4	4	40	2	2	3.5	Clamping		
O		SHK-VBS-T8-S6	O		5	600	600	4	4	40	2	1.5	3.5	Clamping		
O		SHK-VBS-T8-S7	O		5	300 ~ 1200	300 ~ 1200	4	4	40	2	1.5	3	Clamping		
O		SHK-VBS-T8-S8	O		5	600 ~ 1100	600 ~ 1100	4	4	40	2	1.5	3	Clamping		
O		SHK-VBS-T9	O		5	600 ~ 1100	600 ~ 1100	4	4	40	2	NA	NA	Clamping		



◎ Motor Controller / 电机控制器

Technology		Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{ESD} (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Current											
O		SHK-VBS-TA-S2	O		5	600 ~ 700	600 ~ 700	8	2.5	40	2~4	1.5	3.75	Clamping	Motor Controller
O		SHK-VBS-TB-S2	O		5	250	250	8	2.5	40	2	3.15	0.75	Clamping	
O		SHK-VBS-TE-S2	O		5	100 ~ 200	100 ~ 200	4	1.5	40	4	1	2	Clamping	
O		SHK-VBS-TE-S5	O		5	800, 1200	800, 1200	2	2.5	40	2	2.75	1.5	Clamping	
O		SHK-VBS-TE-SA	O		5	1100	1100	2	2.5	40	2	2	3	Clamping	
O		SHK-VBS-TG	O		±15	50 ~ 200	150 ~ 600	2	2.5	60	7	3	3	Clamping	
O		SHK-VBS-TH-S2	O		5	660 ~ 1100	660 ~ 1100	2	2.5	40	2	1	3.5	Clamping	
O		SHK-VBS-TH-S3	O		5	900 ~ 1000	900 ~ 1000	8	2.8	40	2	1	3.5	Clamping	
O		SHK-VBS-TH-S5	O		5	700 ~ 900	700 ~ 900	8	2.8	40	2	1	3.5	Clamping	
O		SHK-VBS-TL-S2	O		5	800 ~ 1200	800 ~ 1200	8	2.8	40	2~4	2.75	3.5	Clamping	
O		SHK-VBS-TL-S3	O		5	1200	1200	8	2.8	40	2~4	2	3.5	Clamping	
O		SHK-VBS-TL-S8	O		5	800 ~ 1200	800 ~ 1200	8	2.8	40	2~4	1.75	3	Clamping	
O		SHK-VBS-TU-S2	O		5	600	600	8	2.5	40	2	1.5	3	Clamping	
O		SHK-VBS-TU-S3	O		5	1000	1000	8	2.5	40	2	2	3.5	Clamping	
O		SHK-VBS-TM-S2	O		5	600 ~ 1000	600 ~ 1000	8	2.8	40	2~4	4.5	5.5	Clamping	
O		SHK-VBS-TM-S3	O		5	600 ~ 1000	600 ~ 1000	8	2.8	40	2~4	4.5	5.5	Clamping	
O		SHK-VBS-TM-S5	O		5	900 ~ 1200	900 ~ 1200	8	2.8	40	2~4	2	3.5	Clamping	
O		SHK-VBS-TM-S6	O		5	900 ~ 1200	900 ~ 1200	8	2.8	40	2~4	2	3.5	Clamping	



充电桩用数字式漏电流传感器系列

Residual Current Detection Sensor



产品系列	产品图	原边连接方式	电流线数量	产品型号	测量范围 (A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A		Primary conductor 带电流线	4	SFG-0.3CPL/A	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A2		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/A2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A2-A	0.3	6mA DC	IEC 62955
				SFG-0.3CPL/A2-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A3		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/A3	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A3-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A4		Primary conductor 带电流线	2	SFG-0.3CPL/A4	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A4S		Primary conductor 带电流线	2	SFG-0.3CPL/A4S	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A4S-F	0.3	30mA AC	国标A型
SFG-CPL/A5		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/A5	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A5-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A6		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/A6	0.3	6mA DC 30mA AC	IEC 62752 IEC62955

产品系列	产品图	原边连接方式	电流线数量	产品型号	测量范围(A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A7		Primary conductor 带电流线	4	SFG-0.3CPL/A7	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A8		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A8S		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20
				SFG-0.3CPL/A8S-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A9		Primary conductor 带电流线	2	SFG-0.3CPL/A9	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A10		Primary conductor 带电流线	2	SFG-0.3CPL/A10	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A11		Primary conductor 带电流线	2+单路AC	SFG-0.3CPL/A11	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A15		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/A15	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/B		Primary conductor 带电流线	4	SFG-0.3CPL/B	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B-A	0.3	6mA DC 20mA AC	IEC62752 UL2231 CCID20
				SFG-0.3CPL/B-B	0.3	5mA AC 20mA AC	UL2231 CCID5 UL2231 CCID20
				SFG-0.3CPL/B-D	0.3	6mA DC	IEC62955
SFG-CPL/B1		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/B1	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B1-C	0.3	20mA AC 20mA AC	UL2231 CCID20
SFG-CPL/B2		Pass through opening 穿心 (开口)	-	SFG-0.3CPL/B2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B2-C	0.3	6mA DC 30mA AC	UL2231 CCID20

充电桩电源模块用电流传感器系列

Current Sensor for Charging Pile Power Module

Current Sensors for Charging Piles

Applied Current Sensor		Applied Current Sensor			
Technology	TMR-closed loop		Fluxgate		
PN-01	STB-CAS		PN-01	STB-CAS/F	
PN-02	STB-CAS/R		PN-02	STB-CAS/R/F	
PN-03	STB-CAS/K		PN-03	STB-CAS/K/F	
Vcc	5.0	V	Vcc	5.0	V
I _{pn}	15 ~ 75	A	I _{pn}	6 ~ 75	A
I _{pm}	51 ~ 220	A	I _{pm}	20 ~ 220	A
F _{band}	400	kHz	F _{band}	400	kHz
t _r	0.3	μs	t _r	0.3	μs
Acc.	1.1 ~ 3.0	%FS	Acc.	1.1 ~ 3.0	%FS

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-616A, STK-616H		PN-01	STK-HD/P, STK-HD/P/G	
PN-02	STK-616K, STK-616T		PN-02	STK-HD/K, STK-HD/K/G	
PN-03	STK-616TBF2		PN-03		
Vcc	3.3 or 5.0	V	Vcc	3.3 or 5.0	V
I _{pn}	10~300	A	I _{pn}	5.0 ~ 50	A
I _{pm}	10~300	A	I _{pm}	10 ~ 125	A
F _{band}	500 ~ 1500	kHz	F _{band}	600 ~ 1000	kHz
t _r	0.2 ~ 0.9	μs	t _r	1.0	μs
Acc.	3.0 ~ 3.5	%FS	Acc.	1.5 ~ 3.0	%FS

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-PL/A	STK-PL/Z	PN-01	STK-HO	
PN-02	STK-PL/M		PN-02		
PN-03	STK-PL/AG		PN-03		
Vcc	5.0	V	Vcc	5.0	V
I _{pn}	10 ~ 180	A	I _{pn}	60 ~ 150	A
I _{pm}	25 ~ 450	A	I _{pm}	150 ~ 375	A
F _{band}	300 ~ 1000	kHz	F _{band}	200	kHz
t _r	0.2~1.5	μs	t _r	2.0	μs
Acc.	2.0	%FS	Acc.	3.0	%FS

 Current Sensors for Charging Piles

Applied Current Sensor		Applied Current Sensor			
PN-01	STK-600/M-MPFF&MPSF	PN-01	STK-600/F		
PN-02	STK-600/M-PFF&PSF&PSS	PN-02			
PN-03		PN-03			
Vcc	3.3 or 5.0	V	Vcc	5.0	V
I _{pn}	50, 100	A	I _{pn}	50	A
I _{pm}	50 ~ 400	A	I _{pm}	200 ~ 400	A
F _{band}	120	kHz	F _{band}	1000	kHz
t _r	4.6	μs	t _r	0.4	μs
Acc.	3.5	%FS	Acc.	3.5	%FS