

SINOMAGS

CURRENT SENSOR

Application

电流传感器
应用



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)**

Headquater
 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

CONTENTS

目录

01 NEW ENERGY APPLICATION
新能源发电应用 03-12

02 EV APPLICATION
车载应用 13-17

03 DRIVE APPLICATION
驱动应用 18-22

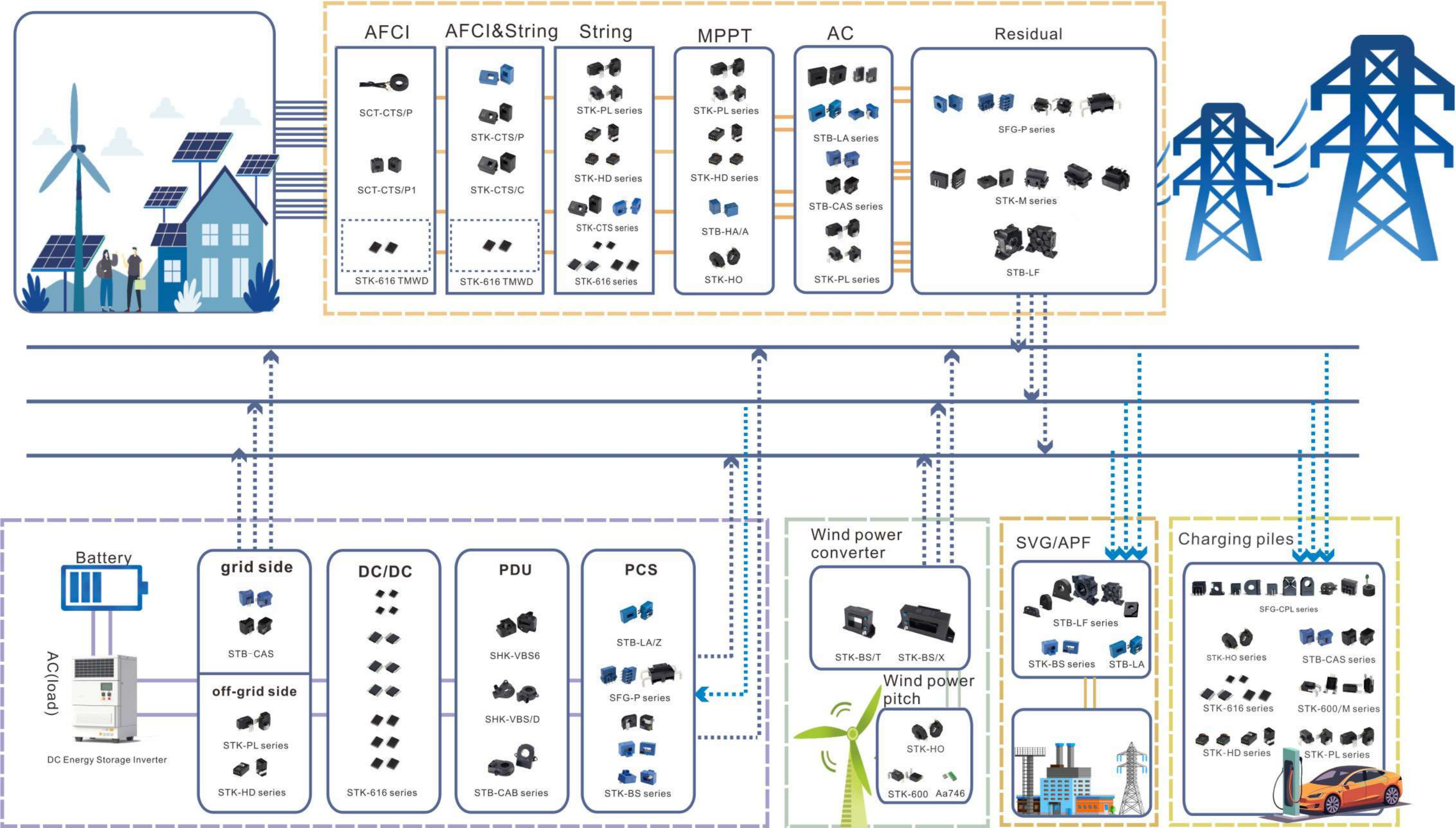
04 UPS APPLICATION
不间断电源应用 23-27

05 HFCT APPLICATION
高频应用 28-29

06 CORELESS SOLUTION
无磁芯方案 30-34

07 CHARGING PILES APPLICATION
充电桩应用 35-38

NEW ENERGY GENERATION APPLICATION
新能源发电应用



01

NEW ENERGY GENERATION APPLICATION

新能源发电应用

- Meet the requirements for high pressure and high altitude
- Meet the requirements for high frequency
- Development based on underlying application requirements

满足高压和高海拔应用要求
满足高频应用要求
基于基本应用需求进行开发

◎ AFCI / 拉弧检测

Product	Out						ESD rating(HBM)	Application
	Current	Voltage	Self-inspection Inductance(μH)	Induction coil Inductance(μH)	Self-inspection Resistance(Ω)	Induction coil Resistance(Ω)		
SCT-CTS/P1	○		NA	400~500	NA	0.4~1	4	AFCI
SCT-CTS/P	○		135~205	530~580	0.4~1	0.8~2	4	

◎ AFCI & String / 拉弧组串检测

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
		Voltage	Current											
O	STK-CTS/C1	O		5	12.8~16	32~40	4	4	400	1	1	2~3	THT	AFCI&String
O	STK-CTS/P	O		5	12.8~20	20~50	4	4	400	1	1	2.5	THT	
O	STK-CTS/P5	O		5	10~20	25~50	4	4	400	1	0.8	1.5~3	THT	
O	STK-CTS/P6	O		5	25~40	25~40	4	4	400	1	1	2.5	THT	
O	STK-CTS/PR	O		5	50	50	4	4	400	1	1.5	2.5	THT	
O	STK-CTS/CB	O		5	32	32	4	4	400	1	1	3	THT	
O	STK-CTS/C4	O		5	32	32	4	4	400	1	1	3	THT	
O	STK-CTS/CE	O		5	50	50	4	4	400	1	1	3	THT	
O	STK-CTS/CC	O		5	50	50	4	4	400	1	1	3	SMT	
O	STK-CTS/A1	O		5	25	25	4	4	180	1	1	2.5	THT	
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	



SCT-CTS/P1



SCT-CTS/P



STK-CTS/C1



STK-CTS/P5, P6, PR



STK-CTS/CB



STK-CTS/CC, C4



STK-CTS/CE



STK-CTS/A1

◎ String/ 组串电流检测

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
		Voltage	Current											
O	STK-616AM	O		3.3, 5	25~100	25~100	4	4	600	0.9	1.5	3.5	SMT	String
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	STK-616ZMF	O		3.3, 5	10~65	10~65	2	3.6	2000	0.05	1.5	3.5	SMT	
O	STK-616ZMT	O		3.3, 5	10~65	10~65	4	2.4	2000	0.05	1.5	3.5	SMT	
O	STK-PL/A	O		5	10~50	25~125	5	4	400	1.5	1	2	THT	
O	STK-PL/Z	O		3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT	
O	STK-HD/P	O		5, 3.3	5~30	12.5~75	4	4	600	1	1	3	THT	
O	STK-HD/K	O		5	20~50	50~100	4	4	600	1	0.8	1.5	THT	



STK-616TMW, TMWD



STK-616ZM



STK-616AMx



STK-616xM



STK-PL/A



STK-PL/Z



STK-HD/P



STK-HD/K

◎ MPPT / 光伏逆变器 MPPT

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
		Voltage	Current											
O	STK-HO	O		5	60~150	150~375	4	4	200	2	1.5	3	THT	MPPT
O	STK-HO/2	O		5	60~250	150~625	4	4.3	200	1.5	1	3	THT	
O	STK-HO/4	O		5	50~250	125~625	4	4.3	200	1.5	1	3	THT	
O	STK-HO/1	O		5	100~200	300~600	4	4.3	200	2	1	3	THT	
O	STK-HO/P	O		5	50~400	150~600	4	4.3	50	5	1	3	THT	
O	STK-HO/B	O		5	50~180	125~350	4	4	1000	0.2	1	3	THT	
O	STK-200HO/YS	O		5	±200	1250	4	5.4	180	3	3.3	4	THT	
O	STK-500HO/YS	O		5	±500	1250	4	5.4	180	3	3.3	4	THT	



STK-HO



STK-HO/2



STK-HO/1&4



STK-HO/P



STK-HO/B



STK-HO/YS

◎ MPPT / 光伏逆变器 MPPT

Technology			Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
O			STB-HA	O			±15	3 ~ 40	9 ~ 120	4	4	150	1.5	0.8	0.8	THT	MPPT
O			STB-HA/A	O			±15	10 ~ 60	30 ~ 180	4	4	150	1.5	0.8	0.8	THT	
O			STB-HA/Y	O			±15	50	150	4	4	150	1.5	0.8	0.8	THT	
O			STB-25HA1	O			±15	25	75	4	NA	150	1.5	1.5	1.5	THT	
O			STB-50HA7	O			±15	50	150	4	NA	150	1.5	1.5	1.5	THT	
O			STK-HD/P	O			3.3, 5	5 ~ 30	12.5 ~ 75	4	4	600	1	1	3	THT	
O			STK-HD/S	O			5	3 ~ 10	7.5 ~ 25	4	4	800	0.4	0.8	1.5	THT	
O			STK-HD/C	O			5	20 ~ 40	NA	4	4	400	1	1	3	THT	
O			STK-HD/K	O			5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KA	O			5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KS	O			3.3	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/P1x	O			5	20 ~ 30	20 ~ 50	4	4	600	1	1	3	THT	
O			STK-HD/P3	O			5	20	20	4	4	600	1	1	3	THT	
O			STK-HD/P4	O			5	20	50	4	4	600	1	1	3	THT	
O			STK-HD/SG	O			5	15	NA	4	4	600	0.4	0.8	1.5	THT	
O			STK-HD/P/G	O			5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
O			STK-PL/A	O			5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Q	O			5	50	50	5	4	300	1.5	1.5	3	THT	
O			STK-PL/P1	O			3.3	10 ~ 50	30 ~ 150	5	4	400	1.5	1	2	THT	
O			STK-PL/AH1	O			5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Z	O			3.3, 5	50 ~ 180	125 ~ 450	4	5	400	1.5	1	2	THT	
O			STK-50PL/Z1	O			5	50	150	4	5	400	1.5	1	3	THT	
O			STK-100PL/Z2	O			5	100	200	4	5	400	1.5	1	3	THT	
O			STK-50PL/Z3	O			3.3	50	150	4	5	400	1.5	1	3	THT	
O			STK-200PL/Z	O			5	200	500	4	5	300	1.5	1	2	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	1.5	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			STK-616ZMF	O			3.3, 5	10 ~ 65	10 ~ 65	2	3.6	2000	0.05	1.5	3.5	SMT	
O			STK-616ZMT	O			3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



◎ AC / 交流检测

Technology			Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
O			STB-CAS/x	O			5	15 ~ 75	51 ~ 220	4	5	400	0.3	0.8	2.5	THT	AC
O	O		STB-CAS/F	O			5	6 ~ 75	20 ~ 220	4	5	400	0.3	0.8	1.4	THT	
O	O		STB-CAS/FA	O			5	6 ~ 75	20 ~ 220	4	4	400	0.3	0.8	1.1	THT	
O	O		STB-CAS/K-FC	O			5	25 ~ 50	85 ~ 150	4	4	400	0.3	0.8	1.1	THT	
O			STB-CAS/RH	O			5	25	85	4	4	400	0.3	0.8	1.15	THT	
O			STB-CAS/FB	O			5	25	50.1	4	8	200	1	0.5	0.5	THT	
O			STB-LA	O			±12 ~ ±15	50 ~ 150	200 ~ 240	4	4	150	0.5	0.5	0.5	THT	
O			STB-LA/N1	O			±12 ~ ±15	25 ~ 100	55 ~ 200	4	4	150	0.5	NA	0.5	THT	
O			STB-LA/A	O			5	25	25	4	4	200	0.3	10	10	THT	
O			STB-LA/B	O			±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O			STB-LA/D	O			±12 ~ ±15	25 ~ 100	55 ~ 175	4	4	150	0.5	0.5	1.5	THT	
O			STB-LA/DF	O			±12 ~ ±15	25 ~ 100	55 ~ 175	4	5	150	0.5	0.5	NA	THT	
O			STB-50LA/DH	O			±12 ~ ±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O			STB-LA/E	O			±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O			STB-LA/F	O			±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O			STB-LA/S	O			5	100	220	4	4	300	0.5	0.8	1.1	THT	
O			STB-LA/SF	O			5	100	200	4	4	100	1	0.7	0.7	THT	
O			STB-LA/M	O			5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-300LA/M	O			5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-LA/AM3	O			12	50	50	4	4	100	/	10	10	THT	
O			STB-250LA/ZR	O			5	250	380, 450	4	4	200	3	1	1.4	THT	
O			STB-LA/Zx	O			5	100 ~ 200	300 ~ 450	4	4	300	0.3	0.8	1.1	THT	
O			STB-250LA/Zx	O			5	250	450	4	4	200	3	1	1.4	THT	



◎ AC / 交流检测 (离网侧&电网侧)

Technology			Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TRange} (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
O			STK-PL/A	O			5	10~50	25~125	5	4	400	1.5	1	2	THT	AC
O			STK-PL/Q	O			5	50	50	5	4	300	1.5	1.5	3	THT	
O			STK-PL/P1	O			3.3	10~50	30~150	5	4	400	1.5	1	2	THT	
O			STK-PL/AH1	O			5	10~50	25~125	5	4	400	1.5	1	2	THT	
O			STK-PL/Z	O			3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT	
O			STK-50PL/Z1	O			5	50	150	4	5	400	1.5	1	3	THT	
O			STK-100PL/Z2	O			5	100	200	4	5	400	1.5	1	3	THT	
O			STK-50PL/Z3	O			3.3	50	150	4	5	400	1.5	1	3	THT	
O			STK-200PL/Z	O			5	200	500	4	5	300	1.5	1	2	THT	
O			STK-HD/P	O			5, 3.3	5~30	12.5~75	4	4	600	1	1	3	THT	
O			STK-HD/K	O			5	20~50	50~100	4	4	600	1	0.8	1.5	THT	AC(Load)
O			STK-PL/A	O			5	10~50	25~125	5	4	400	1.5	1	2	THT	
O			STK-PL/Z	O			3.3, 5	50~180	125~450	4	5	400	1.5	1	2	THT	
O			STB-CAB500	O			12	500	NA	4	2.5	NA	NA	NA	0.5	Clamping	AC(grid)
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-CABxxxN-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	

STK-PL/A

STK-PL/Q

STK-PL/P1

STK-PL/AH1

STK-PL/Z

STK-PL/Z1

STK-PL/Z2

STK-PL/Z3

STK-200PL/Z

STK-HD/P

STK-HD/K

STB-CAB 500,540

STB-CAB600X-XXC

STK-CAB500x-xxx

STK-CAB1000X-xx

STK-CABxxxN-xxF

STB-CAB1500

◎ Residual/漏电流检测

Technology			Type	Out			Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TRange} (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Digital	Current											
	O		SFG-P	O			5	0.3~5.0	0.5~8.0	NA	4	15	30~50	1.9	3.2	THT	Residual
	O		SFG-P/N1	O			5	0.3~5.0	0.5~10	NA	4	15	30~50	1.9	3.2	THT	
	O		SFG-P/P2F	O			5	0.3~3.0	0.5~5.0	NA	4	15	40~50	1.9	3.2	THT	
	O		SFG-P/PF	O			5	0.6~3.0	0.85~5.0	NA	4	15	40	1.9	3.2	THT	
	O		SFG-P/P3	O			5	3.0~5.0	5.0~8.0	NA	4	15	40	1.9	3.2	THT	
	O		SFG-P/P4	O			5	3.0~5.0	5.0~8.0	NA	4	15	40	1.9	3.2	THT	
	O		SFG-P/P6	O			5	0.3~5.0	0.5~10	NA	4	15	50	1.9	3.2	THT	
	O		SFG-P/P7	O			5	0.3	0.5	NA	4	15	40	1.9	3.2	THT	
	O		SFG-P/L3	O			5	0.6~5	0.85~10	NA	5.1	15	30~50	1.9	3.2	THT	
	O		SFG-P/L4	O			5	0.6~6	0.85~10	NA	5.1	15	30~50	1.9	3.2	THT	
	O		SFG-P/S	O			5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT	
	O		SFG-P/S4	O			5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT	
	O		SFG-P/S5	O			5	0.3~1.0	0.5~1.7	NA	4	0.7	700	2	4	THT	
	O		STK-P/M	O			5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT	
	O		STK-P/M3	O			5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT	
	O		STK-P/M4	O			5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT	
	O		STK-P/M5	O			5	0.3~1.0	0.5~1.7	NA	5	0.7	700	2	4	THT	



SFG-P/N1



SFG-P series



SFG-P/P2F



SFG-P/PF



SFG-P/P3



SFG-P/P4



SFG-P/P6



SFG-P/P7



SFG-P/L3



SFG-P/L4



SFG-P/S series



SFG-P/S series



STK-P/M3



STK-P/M4



STK-P/M5



STK-P/M series



◎ Power Grid / 电网

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STB-LA			±12~±15	50~150	200~240	4	4	150	0.5	0.5	0.5	THT	Power Grid
O			STB-LA/N1			±12~±15	25~100	55~200	4	4	150	0.5	NA	0.5	THT	
O			STB-LA/A	O		5	25	25	4	4	200	0.3	10	10	THT	
O			STB-LA/B			±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O			STB-LA/D			±12~±15	25~100	55~175	4	4	150	0.5	0.5	1.5	THT	
O			STB-LA/DF			±12~±15	25~100	55~175	4	5	150	0.5	0.5	NA	THT	
O			STB-50LA/DH			±12~±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O			STB-LA/E			±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O			STB-LA/F			±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O			STB-LA/S	O		5	100	220	4	4	300	0.5	0.8	1.1	THT	
O			STB-LA/SF	O		5	100	200	4	4	100	1	0.7	0.7	THT	
O			STB-LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-300LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-LA/AM3	O		12	50	50	4	4	100	/	10	10	THT	
O			STB-250LA/ZR	O		5	250	380, 450	4	4	200	3	1	1.4	THT	
O			STB-LA/Zx	O		5	100~200	300~450	4	4	300	0.3	0.8	1.1	THT	
O			STB-250LA/Zx	O		5	250	450	4	4	200	3	1	1.4	THT	
O			STK-BS1	O		±15	100~600	300~900	4	4	50~150	2~7	1	2	THT	
O			STK-BS2	O		±15	500	900	4	4	50	5	1	1	THT	
O			STK-BS6	O		±15	50~600	150~900	4	4	50	5	1	1	THT	
O			STK-BS9	O		±15	50~600	150~900	4	4	50~150	3	1	2	THT	
O			STK-BS10	O		±15	100~600	300~900	4	4	50~150	2~4	1	2	THT	
O			STK-BS/S1	O		5	50~600	150~1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S2	O		5	50~600	150~1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S3	O		5	50~600	150~1100	4	3.3	250	3.5	1	3.5	THT	
O			STK-BS/H	O		±15	50~400	150~600	4	2.5	50	3	1	3	THT	
O			STK-BS/H4	O		15	50~100	150~450	4	2.5	50	3	1	2	THT	
O			STK-BS/A	O		±12~±15	300~1000	900~3000	4	5	25	3	1	1	THT	
O			STK-BS1B	O		±15	100~600	300~900	4	4	70~150	2~4	1	2	THT	
O			STK-BS1L	O		±15	100~600	300~900	4	4	70~150	2~4	1	2	THT	



◎ Wind power / 风力发电&电网

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X _{TR} Range (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-BS/T	O		±12~±15	200~1500	600~2500	4	4.9	25	5	1	1	Clamping	Wind power & Power Grid
O			STK-BS/T5	O		±15	163~2184	500~2500	4	4.9	25	5	1	1	Clamping	
O			STK-BS/X	O		±12~±15	500~2500	1500~5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X2	O		±15	3000~6000	4500~12000	4	5.6	1	0.2	1	1	Clamping	
O			STK-BS/X4	O		±12~±15	500~2500	1500~5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X5	O		±12~±15	500~2500	1500~5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X6	O		±12~±15	500~2500	1500~5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X7	O		±12~±15	1200~3000	3600~5500	4	5	25	5	1	1	Clamping	
O			STK-HO	O		5	60~150	150~375	4	4	200	2	1.5	3	THT	
O			STB-LF	O		±12~±15	100~200	200~420	4	4	100	0.5	0.3	0.2	Clamping	
O			STB-LF2	O		±12~±15	200~300	500~600	4	5	100	1	0.3	0.3	Clamping	
O			STB-LF/2	O		±15~±18	500	800	4	4.95	100	0.5	0.4	0.4	Clamping	
O			STB-LF/3	O		±15	366	950	4	3	100	1	0.42	0.42	Clamping	
O			STB-LF4	O		±12~±20	300	500	4	3.8	100	1	0.5	0.5	Clamping	
O			STB-LF4-A	O		±24	300	860	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF4-B	O		±12~±20	300	500	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF5	O		±15~±24	500	800	4	3.8	200	0.5	0.5	0.6	Clamping	
O			STB-LF5-A	O		±15~±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-B	O		±15~±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-S	O		±24	622	1700	4	3	100	1	0.6	0.6	Clamping	
O			STB-LF6	O		±15~±24	1000	1500	4	3.8	200	0.5	0.4	0.4	Clamping	
O			STB-LF7	O		±15	180	540	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF8	O		±15	88	240	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF9	O		±15~±20	300	700	3	3	100	1	0.3	0.36	Clamping	





EV APPLICATION

新能源车应用

AEC-Q100 Qualified · Wide range of current detection

ISO26262 · ASIL B

AEC-Q100 认证

ISO26262 & ASIL B

电流检测范围宽

出色的电磁兼容性

EPS Headlight Power Supply

PDU、BDU

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

CFS1000 series

◎ 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} T _A =25°C (%FS)	X _T Range (%FS)	Connction	Application
		Open-loop	Closed-loop	Fluxgate											
O	STK-600/M-MPFF&MPSF	O			3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	EPS
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-616ZMF	O			3.3, 5	10 ~ 65	10 ~ 65	2	3.6	2000	0.05	1.5	3.5	SMT	Headlight Power supply
O	STK-616ZMT	O			3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



◎ 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 T _A =25°C (%FS)	X _T Range (%FS)	Connction	Application
		Open-loop	Closed-loop	Fluxgate											
O	SHK-VBS2-D	O			5	545	1090	4	4	NC	3.5	1.5	3	THT	Air Compressor & DC/DC Power supply
O	SHK-VBS3	O			5	100 ~ 900	100 ~ 900	5	4	100	3.5	2	3.5	THT	
O	SHK-VBS3/Sx	O			5	400 ~ 900	400 ~ 900	4	4	100	3.5	1	3.5	THT	
O	STK-600/M-MPFF&MPSF	O			3.3, 5	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	
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	STK-616ZMF	O			3.3, 5	10 ~ 65	10 ~ 65	4	3.6	2000	0.05	1.5	3.5	SMT	
O	STK-616ZMT	O			3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



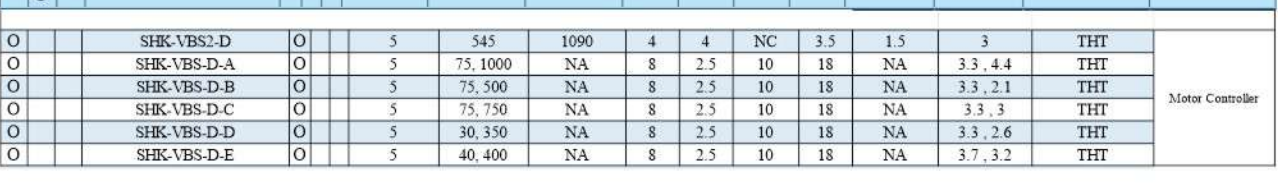
◎ OBC, DC/DC & BMS / 车载充电机，直流-直流 & 电池管理系统

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	U _d (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25℃ (%FS)	X _{Trange} (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-600-M-MPFF&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-xxc	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@I _{pn} TA=25°C (%FS)	X_TRange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	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_Trange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	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 ~ 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_Trance (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		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	



SHK-VBS-TA-S2



SHK-VBS-TB-S2



SHK-VBS-TE-S2



SHK-VBS-TE-S5



SHK-VBS-TE-SA



SHK-VBS/TG



SHK-VBS-TH-S2



SHK-VBS-TH-S3



SHK-VBS-TH-S5



SHK-VBS-TL-S2



SHK-VBS-TL-S3



SHK-VBS-TL-S8



SHK-VBS/TU-S2



SHK-VBS/TU-S3



SHK-VBS-TM-S2



SHK-VBS-TM-S3



SHK-VBS-TM-S5



SHK-VBS-TM-S6

DRIVER APPLICATION

03

驱动应用

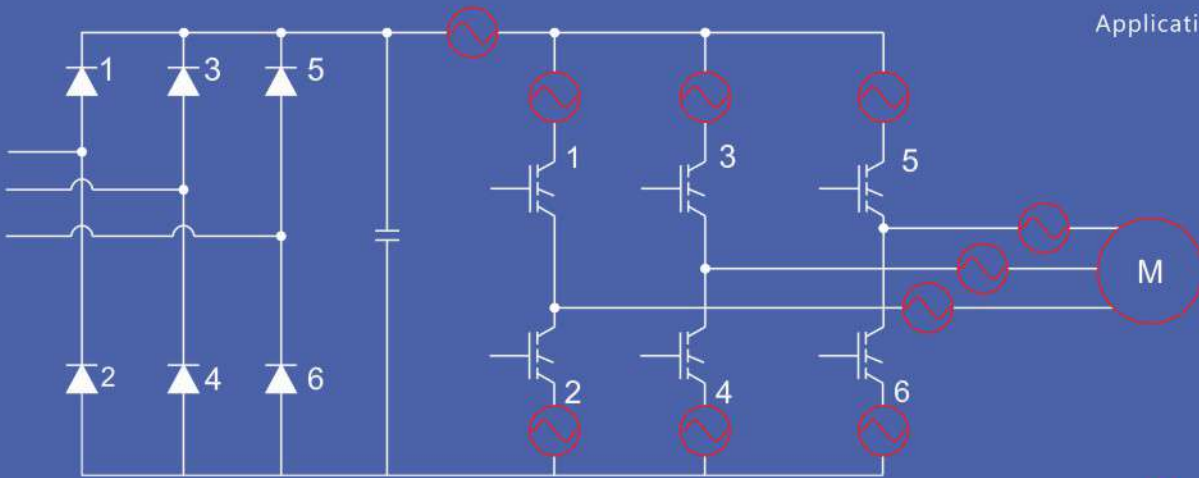
- High accuracy
- Wide current detection range
- Low noise
- Fast response time

高精度

电流检测范围宽

低噪音

响应时间快



Application Schematics

mounting position

◎ Servo-drive&Variable frequency drives / 伺服驱动&变频驱动

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_Trance (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-616AM	O		3.3, 5	25 ~ 100	25 ~ 100	4	4	600	0.9	1.5	3.5	SMT	Servo Drive & Variable frequency drive
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			STK-616ZMF	O		3.3, 5	10 ~ 65	10 ~ 65	2	3.6	2000	0.05	1.5	3.5	SMT	
O			STK-616ZMT	O		3.3, 5	10 ~ 65	10 ~ 65	4	2.4	2000	0.05	1.5	3.5	SMT	



STK-616AMx



STK-616xM



STK-616ZMF



STK-616ZMT

◎ Servo-drive&Variable frequency drives / 伺服驱动&变频驱动

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	Fluxgate		Voltage	Current											
O			STK-HD/P	O		5, 3.3	5 ~ 30	12.5 ~ 75	4	4	600	1	1	3	THT	Servo Drive & Variable frequency drive
O			STK-HD/S	O		5	3 ~ 10	7.5 ~ 25	4	4	800	0.4	0.8	1.5	THT	
O			STK-HD/C	O		5	20 ~ 40	NA	4	4	400	1	1	3	THT	
O			STK-HD/K	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KA	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KS	O		3.3	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/P1/x	O		5	20 ~ 30	20 ~ 50	4	4	600	1	1	3	THT	
O			STK-HD/P3	O		5	20	20	4	4	600	1	1	3	THT	
O			STK-HD/P4	O		5	20	50	4	4	600	1	1	3	THT	
O			STK-HD/SG	O		5	15	NA	4	4	600	0.4	0.8	1.5	THT	
O			STK-HD/P/G	O		5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
O	O		STB-CAS/x	O		5	15 ~ 75	51 ~ 220	4	5	400	0.3	0.8	2.5	THT	
O	O		STB-CAS/F	O		5	6 ~ 75	20 ~ 220	4	5	400	0.3	0.8	1.4	THT	
O	O		STB-CAS/FA	O		5	6 ~ 75	20 ~ 220	4	4	400	0.3	0.8	1.1	THT	
O	O		STB-CAS/K-FC	O		5	25 ~ 50	85 ~ 150	4	4	400	0.3	0.8	1.1	THT	
O			STB-CAS/RH	O		5	25	85	4	4	400	0.3	0.8	1.15	THT	
O			STB-CAS/FB	O		5	25	50.1	4	8	200	1	0.5	0.5	THT	



STK-HD/P



STK-HD/S



STK-HD/K



STK-HD/C



STK-HD/P1/x, P3, P4



STK-HD/SG



STK-HD/KA, KS



STK-HD/P/G



STB-CAS/x



STB-CAS/F



STB-CAS/FA



STB-CAS/K-FC



STB-CAS/RH



STB-CAS/FB

◎ Variable frequency drives / 变频驱动

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	Fluxgate		Voltage	Current											
O			STB-HA/A	O		±15	10 ~ 60	30 ~ 180	4	4	150	1.5	0.8	0.8	THT	Variable frequency drive
O			SHK-VBS6-S2	O		5	100 ~ 1500	100 ~ 1500	4	4	40	2	2.25	3.25	THT	
O			STK-600/M-MPFF&MPSP	O		5, 3.3	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	
O			STK-600/M-PFF&PSF&PSS	O		5, 3.3	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
O			STB-LA	O		±12 ~ ±15	50 ~ 150	200 ~ 240	4	4	150	0.5	0.5	0.5	THT	
O			STB-LA/N1	O		±12 ~ ±15	25 ~ 100	55 ~ 200	4	4	150	0.5	NA	0.5	THT	
O			STB-LA/B	O		±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O			STB-LA/D	O		±12 ~ ±15	25 ~ 100	55 ~ 175	4	4	150	0.5	0.5	1.5	THT	
O			STB-LA/DF	O		±12 ~ ±15	25 ~ 100	55 ~ 175	4	5	150	0.5	0.5	NA	THT	
O			STB-50LA/DH	O		±12 ~ ±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O			STB-LA/E	O		±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O			STB-LA/F	O		±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O			STB-LA/A	O		5	25	25	4	4	200	0.3	10	10	THT	
O			STB-LA/S	O		5	100	220	4	4	300	0.5	0.8	1.1	THT	
O			STB-LA/SF	O		5	100	200	4	4	100	1	0.7	0.7	THT	
O			STB-LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-300LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O			STB-LA/AM3	O		12	50	50	4	4	100	/	10	10	THT	
O			STB-250LA/ZR	O		5	250	380, 450	4	4	200	3	1	1.4	THT	
O			STB-LA/Zx	O		5	100 ~ 200	300 ~ 450	4	4	300	0.3	0.8	1.1	THT	
O			STB-250LA/Zx	O		5	250	450	4	4	200	3	1	1.4	THT	



STB-HA/A



SHK-VBS6/S2



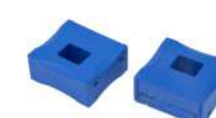
STK-600/M-PFF&PSF&PSS



STK-600/M-MPFF&MPSP



STB-LA



STB-LA/N1



STB-LA/A



STB-LA/B



STB-LA/D



STB-LA/DF&DH



STB-LA/E



STB-LA/F



STB-LA/S&SF



STB-LA/SF



STB-LA/M



STB-300LA/M



STB-LA/AM3



STB-250LA/ZR



STB-LA/Zx



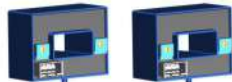
STB-250LA/Zx

Variable frequency drives / 变频驱动

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-BS1	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 7	1	2	THT	Variable frequency drive
O			STK-BS2	O		±15	500	900	4	4	50	5	1	1	THT	
O			STK-BS6	O		±15	50 ~ 600	150 ~ 900	4	4	50	5	1	1	THT	
O			STK-BS9	O		±15	50 ~ 600	150 ~ 900	4	4	50 ~ 150	3	1	2	THT	
O			STK-BS10	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS/S1	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S2	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S3	O		5	50 ~ 600	150 ~ 1100	4	3.3	250	3.5	1	3.5	THT	
O			STK-BS/H	O		±15	50 ~ 400	150 ~ 600	4	2.5	50	3	1	3	THT	
O			STK-BS/H4	O		15	50 ~ 100	150 ~ 450	4	2.5	50	3	1	2	THT	
O			STK-BS/A	O		±12 ~ ±15	300 ~ 1000	900 ~ 3000	4	5	25	3	1	1	THT	
O			STK-BS1B	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS1L	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS/T	O		±12 ~ ±15	200 ~ 1500	600 ~ 2500	4	4.9	25	5	1	1	Clamping	
O			STK-BS/X	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X2	O		±15	3000 ~ 6000	4500 ~ 12000	4	5.6	1	0.2	1	1	Clamping	
O			STK-BS/X4	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X5	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X6	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X7	O		±12 ~ ±15	1200 ~ 3000	3600 ~ 5500	4	5	25	5	1	1	Clamping	



STK-BS1



STK-BS2



STK-BS6



STK-BS9



STK-BS10



STK-BS/S1



STK-BS/S2



STK-BS/S3



STK-BS/H,H4



STK-BS1B



STK-BS1L



STK-BS-Ax



STK-BS/T



STK-BS/T5



STK-BS/X



STK-BS/X2



STK-BS/X4



STK-BS/X5



STK-BS/X6



STK-BS/X7

Variable frequency drives / 变频驱动

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STB-LF	O		±12 ~ ±15	100 ~ 200	200 ~ 420	4	4	100	0.5	0.3	0.2	Clamping	Variable frequency drive
O			STB-LF2	O		±12 ~ ±15	200 ~ 300	500 ~ 600	4	5	100	1	0.3	0.3	Clamping	
O			STB-LF/2	O		±15 ~ ±18	500	800	4	4.95	100	0.5	0.4	0.4	Clamping	
O			STB-LF/3	O		±15	366	950	4	3	100	1	0.42	0.42	Clamping	
O			STB-LF4	O		±12 ~ ±20	300	500	4	3.8	100	1	0.5	0.5	Clamping	
O			STB-LF4-A	O		±24	300	860	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF4-B	O		±12 ~ ±20	300	500	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF5	O		±15 ~ ±24	500	800	4	3.8	200	0.5	0.5	0.6	Clamping	
O			STB-LF5-A	O		±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-B	O		±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-S	O		±24	622	1700	4	3	100	1	0.6	0.6	Clamping	
O			STB-LF6	O		±15 ~ ±24	1000	1500	4	3.8	200	0.5	0.4	0.4	Clamping	
O			STB-LF7	O		±15	180	540	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF8	O		±15	88	240	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF9	O		±15 ~ ±20	300	700	3	3	100	1	0.3	0.36	Clamping	



STB-LF



STB-LF2



STB-LF/2



STB-LF/3



STB-LF4/A,B



STB-LF5/A,B,S



STB-LF6



STB-LF7



STB-LF8



STB-LF9

Variable frequency drives / 变频驱动

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trange (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-HO/B	O		5	50 ~ 180	125 ~ 350	4	4	1000	0.2	1	3	THT	Variable frequency drive
O			STK-PL/A	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Q	O		5	50	50	5	4	300	1.5	1.5	3	THT	
O			STK-PL/P1	O		3.3	10 ~ 50	30 ~ 150	5	4	400	1.5	1	2	THT	
O			STK-PL/AH1	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Z	O		3.3, 5	50 ~ 180	125 ~ 450	4	5	400	1.5	1	2	THT	
O			STK-50PL/Z1	O		5	50	150	4	5	400	1.5	1	3	THT	
O			STK-100PL/Z2	O		5	100	200	4	5	400	1.5	1	3	THT	
O			STK-50PL/Z3	O		3.3	50	150	4	5	400	1.5	1	3	THT	
O			STK-200PL/Z	O		5	200	500	4	5	300	1.5	1	2	THT	



STK-HO/B



STK-PL/A



STK-PL/Q



STK-PL/P1



STK-PL/AH1



STK-PL/Z



STK-PL/Z1,Z2,Z3



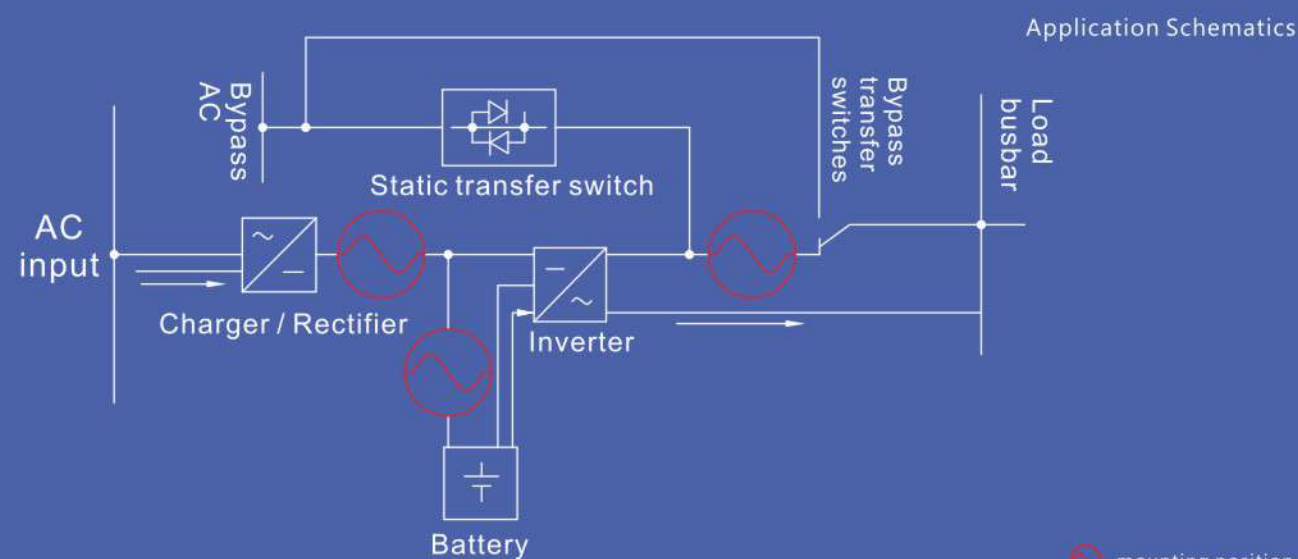
STK-200PL/Z

04

UPS APPLICATION(Uninterruptible Power Supply)

不间断电源应用

- High precision
- Fast response time
- Wide frequency bandwidth
- Wide detection range
- 精度高
- 快速响应时间
- 频率带宽较宽
- 检测范围广



mounting position



UPS(Uninterruptible Power Supply) / 不间断电源

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_Trance (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-600/M-MPFF&MPSE	O		5, 3.3	50, 100	50 ~ 250	4	4	120	4.6	2.4	3.5	THT	Uninterruptible Power Supply (UPS)
O			STK-600/M-PFF&PSF&PSS	O		5, 3.3	50, 100	50 ~ 400	4	4	120	4.6	2.4	3.5	THT	
O			STK-BS1	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 7	1	2	THT	
O			STK-BS2	O		±15	500	900	4	4	50	5	1	1	THT	
O			STK-BS6	O		±15	50 ~ 600	150 ~ 900	4	4	50	5	1	1	THT	
O			STK-BS9	O		±15	50 ~ 600	150 ~ 900	4	4	50 ~ 150	3	1	2	THT	
O			STK-BS10	O		±15	100 ~ 600	300 ~ 900	4	4	50 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS/S1	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S2	O		5	50 ~ 600	150 ~ 1100	4	3.3	60	3.5	1	3.5	THT	
O			STK-BS/S3	O		5	50 ~ 600	150 ~ 1100	4	3.3	250	3.5	1	3.5	THT	
O			STK-BS/H	O		±15	50 ~ 400	150 ~ 600	4	2.5	50	3	1	3	THT	
O			STK-BS/H4	O		15	50 ~ 100	150 ~ 450	4	2.5	50	3	1	2	THT	
O			STK-BS/A	O		±12 ~ ±15	300 ~ 1000	900 ~ 3000	4	5	25	3	1	1	THT	
O			STK-BS1B	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS1L	O		±15	100 ~ 600	300 ~ 900	4	4	70 ~ 150	2 ~ 4	1	2	THT	
O			STK-BS/T	O		±12 ~ ±15	200 ~ 1500	600 ~ 2500	4	4.9	25	5	1	1	Clamping	
O			STK-BS/T5	O		±15	163 ~ 2184	500 ~ 2500	4	4.9	25	5	1	1	Clamping	
O			STK-BS/X	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X2	O		±15	3000 ~ 6000	4500 ~ 12000	4	5.6	1	0.2	1	1	Clamping	
O			STK-BS/X4	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X5	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	4	25	5	1	1	Clamping	
O			STK-BS/X6	O		±12 ~ ±15	500 ~ 2500	1500 ~ 5500	4	5	25	5	1	1	Clamping	
O			STK-BS/X7	O		±12 ~ ±15	1200 ~ 3000	3600 ~ 5500	4	5	25	5	1	1	Clamping	

UPS(Uninterruptible Power Supply) / 不间断电源

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_Trance (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STK-HD/P	O		5, 3.3	5 ~ 30	12.5 ~ 75	4	4	600	1	1	3	THT	Uninterruptible Power Supply (UPS)
O			STK-HD/S	O		5	3 ~ 10	7.5 ~ 25	4	4	800	0.4	0.8	1.5	THT	
O			STK-HD/C	O		5	20 ~ 40	NA	4	4	400	1	1	3	THT	
O			STK-HD/K	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KA	O		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/KS	O		3.3	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
O			STK-HD/P1x	O		5	20 ~ 30	20 ~ 50	4	4	600	1	1	3	THT	
O			STK-HD/P3	O		5	20	20	4	4	600	1	1	3	THT	
O			STK-HD/P4	O		5	20	50	4	4	600	1	1	3	THT	
O			STK-HD/SG	O		5	15	NA	4	4	600	0.4	0.8	1.5	THT	
O			STK-HD/P/G	O		5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
O			STK-PL/A	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Q	O		5	50	50	5	4	300	1.5	1.5	3	THT	
O			STK-PL/P1	O		3.3	10 ~ 50	30 ~ 150	5	4	400	1.5	1	2	THT	
O			STK-PL/AH1	O		5	10 ~ 50	25 ~ 125	5	4	400	1.5	1	2	THT	
O			STK-PL/Z	O		3.3, 5	50 ~ 180	125 ~ 450	4	5	400	1.5	1	2	THT	
O			STK-50PL/Z1	O		5	50	150	4	5	400	1.5	1	3	THT	
O			STK-100PL/Z2	O		5	100	200	4	5	400	1.5	1	3	THT	
O			STK-50PL/Z3	O		3.3	50	150	4	5	400	1.5	1	3	THT	
O			STK-200PL/Z	O		5	200	500	4	5	300	1.5	1	2	THT	





◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology		Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trance (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Current											
O		STK-HO	O		5	60~150	150~375	4	4	200	2	1.5	3	THT	Uninterruptible Power Supply (UPS)
O		STK-HO/2	O		5	60~250	150~625	4	4.3	200	1.5	1	3	THT	
O		STK-HO/4	O		5	50~250	125~625	4	4.3	200	1.5	1	3	THT	
O		STK-HO/1	O		5	100~200	300~600	4	4.3	200	2	1	3	THT	
O		STK-HO/P	O		5	50~400	150~600	4	4.3	50	5	1	3	THT	
O		STK-HO/B	O		5	50~180	125~350	4	4	1000	0.2	1	3	THT	
O		STK-200HO/YS	O		5	±200	1250	4	5.4	180	3	3.3	4	THT	
O		STK-500HO/YS	O		5	±500	1250	4	5.4	180	3	3.3	4	THT	
O		STB-CAS/x	O		5	15~75	51~220	4	5	400	0.3	0.8	2.5	THT	
O	O	STB-CAS/F	O		5	6~75	20~220	4	5	400	0.3	0.8	1.4	THT	
O	O	STB-CAS/FA	O		5	6~75	20~220	4	4	400	0.3	0.8	1.1	THT	
O	O	STB-CAS/K-FC	O		5	25~50	85~150	4	4	400	0.3	0.8	1.1	THT	
O		STB-CAS/RH	O		5	25	85	4	4	400	0.3	0.8	1.15	THT	
O		STB-CAS/FB	O		5	25	50.1	4	8	200	1	0.5	0.5	THT	



◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology		Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25°C (%FS)	X_Trance (%FS)	Connction	Application
Open-loop	Closed-loop		Voltage	Current											
O		STB-HA	O		±15	3~40	9~120	4	4	150	1.5	0.8	0.8	THT	Uninterruptible Power Supply (UPS)
O		STB-HA/A	O		±15	10~60	30~180	4	4	150	1.5	0.8	0.8	THT	
O		STB-HA/Y	O		±15	50	150	4	4	150	1.5	0.8	0.8	THT	
O		STB-25HA1	O		±15	25	75	4	NA	150	1.5	1.5	1.5	THT	
O		STB-50HA7	O		±15	50	150	4	NA	150	1.5	1.5	1.5	THT	
O		STB-LA	O		±12~±15	50~150	200~240	4	4	150	0.5	0.5	0.5	THT	
O		STB-LA/N1	O		±12~±15	25~100	55~200	4	4	150	0.5	NA	0.5	THT	
O		STB-LA/A	O		5	25	25	4	4	200	0.3	10	10	THT	
O		STB-LA/B	O		±12 or ±15	100	188, 236	NA	1.8	200	1	0.1	0.1	THT	
O		STB-LA/D	O		±12~±15	25~100	55~175	4	4	150	0.5	0.5	1.5	THT	
O		STB-LA/DF	O		±12~±15	25~100	55~175	4	5	150	0.5	0.5	NA	THT	
O		STB-50LA/DH	O		±12~±15	50	128	4	4	150	0.5	0.3	0.3	THT	
O		STB-LA/E	O		±15	200	NA	NA	3	100	1	0.5	0.6	THT	
O		STB-LA/F	O		±15	230	425, 220	NA	3	100	1	0.5	0.5	THT	
O		STB-LA/S	O		5	100	220	4	4	300	0.5	0.8	1.1	THT	
O		STB-LA/SF	O		5	100	200	4	4	100	1	0.7	0.7	THT	Uninterruptible Power Supply (UPS)
O		STB-LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O		STB-300LA/M	O		5	300	600	4	4	300	0.6	0.8	1.1	THT	
O		STB-LA/AM3	O		12	50	50	4	4	100	/	10	10	THT	
O		STB-250LA/ZR	O		5	250	380, 450	4	4	200	3	1	1.4	THT	
O		STB-LA/Zx	O		5	100~200	300~450	4	4	300	0.3	0.8	1.1	THT	Uninterruptible Power Supply (UPS)
O		STB-250LA/Zx	O		5	250	450	4	4	200	3	1	1.4	THT	
O		STK-LBS/6G	O		5	100~1000	100~1000	4	0.5	250	3	1	3.5	DIP	
O		STK-LBS/S	O		3.3	200	200	4	1	250	3	1	2	SMT	Uninterruptible Power Supply (UPS)
O		STK-LBS/S2	O		5	400~1500	400~1500	4	1	250	3	1.5	3.5	SMT	



◎ UPS(Uninterruptible Power Supply) / 不间断电源

Technology			Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	UESD (kV)	Ud (kV)	BW (kHz)	t _r (μs)	X@IPN TA=25℃ (%FS)	X_Trang (%FS)	Connction	Application
Open-loop	Closed-loop	Fluxgate		Voltage	Current											
O			STB-LF	O		±12 ~ ±15	100 ~ 200	200 ~ 420	4	4	100	0.5	0.3	0.2	Clamping	Uninterruptible Power Supply (UPS)
O			STB-LF2	O		±12 ~ ±15	200 ~ 300	500 ~ 600	4	5	100	1	0.3	0.3	Clamping	
O			STB-LF/2	O		±15 ~ ±18	500	800	4	4.95	100	0.5	0.4	0.4	Clamping	
O			STB-LF/3	O		±15	366	950	4	3	100	1	0.42	0.42	Clamping	
O			STB-LF4	O		±12 ~ ±20	300	500	4	3.8	100	1	0.5	0.5	Clamping	
O			STB-LF4-A	O		±24	300	860	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF4-B	O		±12 ~ ±20	300	500	4	3.8	100	1	0.47	0.47	Clamping	
O			STB-LF5	O		±15 ~ ±24	500	800	4	3.8	200	0.5	0.5	0.6	Clamping	
O			STB-LF5-A	O		±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-B	O		±15 ~ ±24	500	800	4	4	200	1	0.6	0.6	Clamping	
O			STB-LF5-S	O		±24	622	1700	4	3	100	1	0.6	0.6	Clamping	
O			STB-LF6	O		±15 ~ ±24	1000	1500	4	3.8	200	0.5	0.4	0.4	Clamping	
O			STB-LF7	O		±15	180	540	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF8	O		±15	88	240	4	2.5	100	1	1.2	1.2	Clamping	
O			STB-LF9	O		±15 ~ ±20	300	700	3	3	100	1	0.3	0.36	Clamping	



STB-LF



STB-LF2



STB-LF/2



STB-LF/3



STB-LF4



STB-LF4-A



STB-LF4-B



STB-LF5



STB-LF5-B



STB-LF5-A



STB-LF5-S



STB-LF6



STB-LF7



STB-LF8

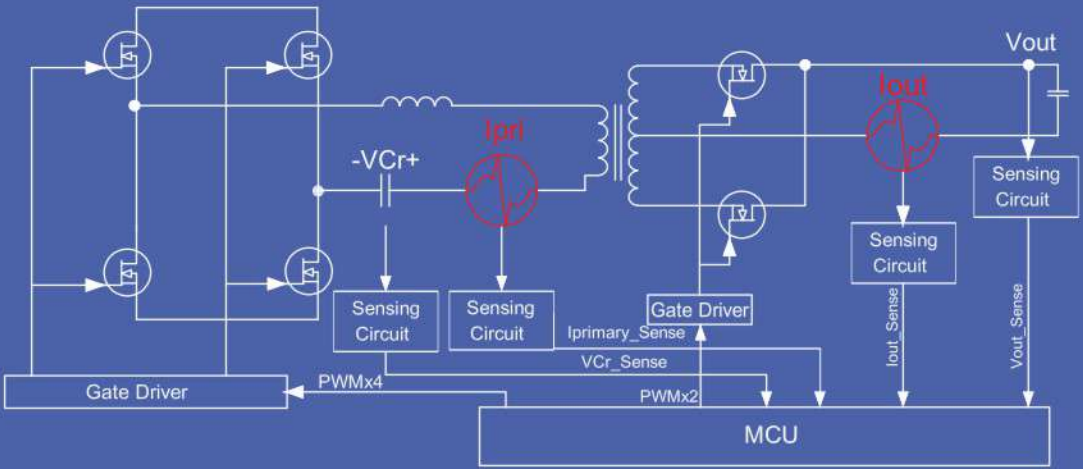


STB-LF9

05

HFCT APPLICATION

高频应用



Application Schematics

mounting position

06

CORELESS SOLUTION

无磁芯方案

- Very high frequency bandwidth, 2 MHz
- Very fast response time, 50 ns
- Coreless design enables the small dimensions
- OCD (over current detection) function available
- Common-mode field rejection. (core-less design)



频带宽度高达2 MHz
响应时间在50ns以内
无磁芯设计，尺寸小
具有OCD（过流检测）功能
共模场抑制（无芯设计）

◎ Features

- Frequency bandwidth of up to 150 ~ 2000 kHz
- Response time of down to 0.05 ~ 1.5 μ s
- Open loop design
- Coreless design enables the small dimensions
- Differential magnetic field detection design supports the common-mode field rejection.
- OCD (over current detection) function available
- Support supply voltage of 3.3 V or 5.0 V

频带宽度高达150~2000 kHz
响应时间可达0.05~1.5 μ s
开环设计
无芯设计实现了最小尺寸
不同的磁场检测设计支持共模场抑制
具有OCD（过流检测）功能
支持3.3伏或5.0伏电源电压

◎ Application

- Solar energy
- Motor driver
- Uninterruptible power supply
- Switching Mode Power supply
- EV charger
- EV OBC
- EV DC/DC

太阳能
电机驱动器
不间断电源
开关模式电源
电动车充电器
车载充电机
电动车 直流-直流检测

◎ High Frequency / 高频应用

Technology	Type	Out		Vcc (V)	I _{pn} (A)	I _{pm} (A)	U _{rn} (kV)	U _d (kV)	BW (kHz)	t _r (μ s)	X@L _v T _A =25°C (%FS)	X _{TRange} (%FS)	Connction	Application
		Voltage	Current											
Open-loop	STK-616TMF5	o		3.3, 5	10 ~ 133	10 ~ 133	4	3.6	1500	0.6	1.5	3.5	SMT	High Frequency
Closed-loop	STK-616ZMF	o		3.3, 5	10 ~ 65	10 ~ 65	4	3.6	2000	0.05	1.5	3.5	SMT	
Fluxgate	STK-616KMF	o		3.3, 5	20 ~ 65	20 ~ 65	4	3.6	1500	0.2	1.5	3.5	SMT	
	STK-HD/KA	o		5	20 ~ 50	50 ~ 100	4	4	600	1	0.8	1.5	THT	
	STK-HD/SG	o		5	15	NA	4	4	600	0.4	0.8	1.5	THT	
	STK-HD/P/G	o		5	5 ~ 30	12.5 ~ 75	4	4	1000	0.5	1	3	THT	
	STK-HO/B	o		5	50 ~ 180	125 ~ 350	4	4	1000	0.2	1	3	THT	
O	STB-LF		o	±12 ~ ±15	100 ~ 200	200 ~ 420	4	4	1000	0.5	0.3	0.2	Clamping	



STK-616TM&KM



STK-616ZMF



STK-HD/KA



STK-HD/SG



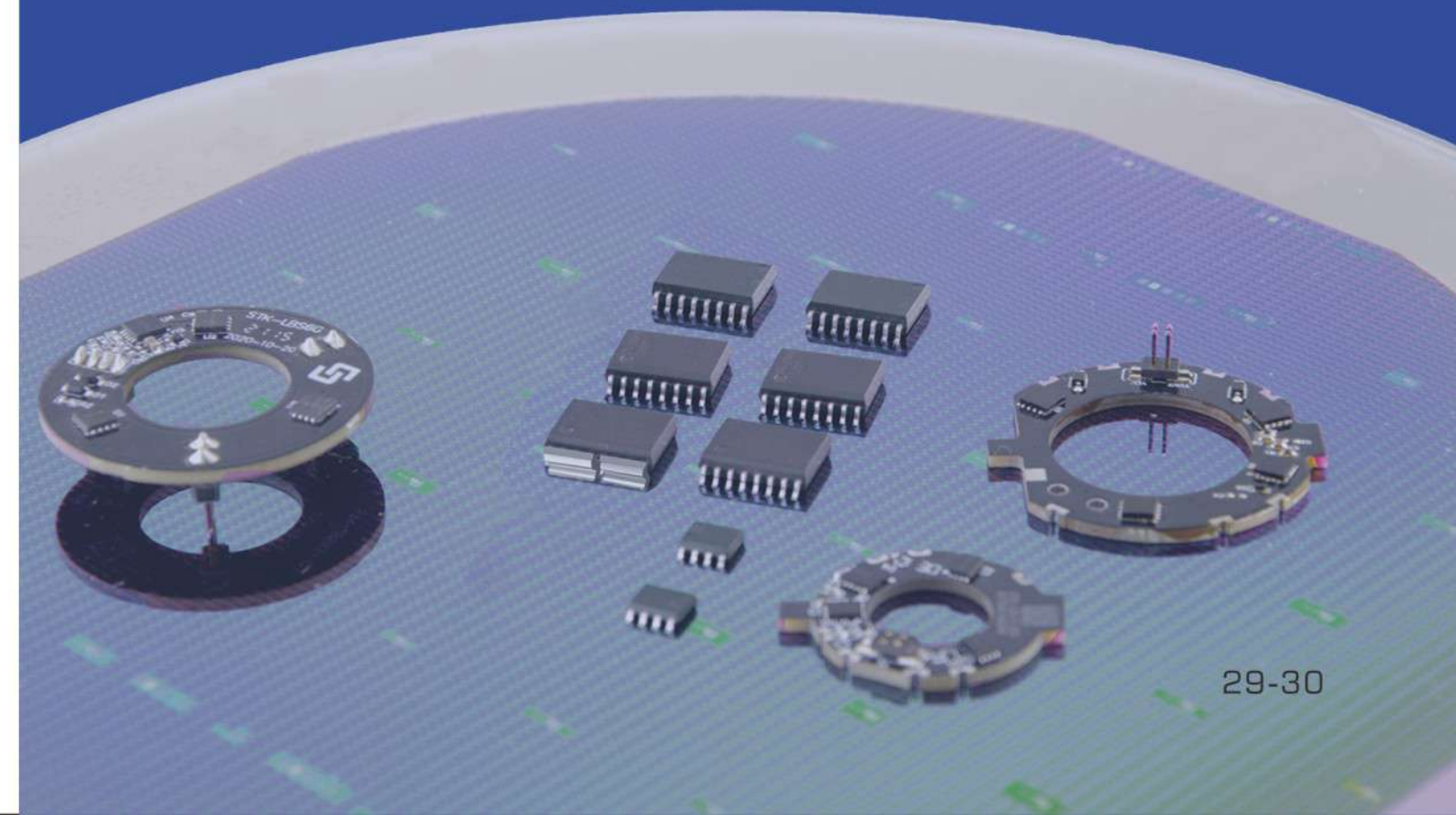
STK-HD/P/G



STK-HO/B



STB-LF



◎ Coreless Solution / 无磁芯方案

Type	Partnumeber	Normal Current	Supply Votage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	X TRange (%FS)
		I _{pn} (A)	V _{cc} (A)	Gain (mV/A, mA/A)	f _{band} (kHz)	t _r (us)	d _{Cl} (mm)	Acc (%FS)
STK-LBS/S	STK-200LBS/S	±200	3.3	6	250	3	1	2
STK-LBS/S2	STK-400LBS/S2	±400	5	5	250	3	1	3.5
	STK-500LBS/S2	±500	5	4	250	3	1	3.5
	STK-600LBS/S2	±600	5	3.33	250	3	1	3.5
	STK-800LBS/S2	±800	5	2.5	250	3	1	3.5
	STK-1000LBS/S2	±1000	5	2	250	3	1	3.5
	STK-1500LBS/S2	±1500	5	1.33	250	3	1	3.5
STK-LBS/6G	STK-100LBS/6G	±100	5	20	250	3	0.5	3.5
	STK-200LBS/6G	±200	5	10	250	3	0.5	3.5
	STK-300LBS/6G	±300	5	6.66	250	3	0.5	3.5
	STK-400LBS/6G	±400	5	5	250	3	0.5	3.5
	STK-500LBS/6G	±500	5	4	250	3	0.5	3.5
	STK-600LBS/6G	±600	5	3.33	250	3	0.5	3.5
	STK-700LBS/6G	±700	5	2.85	250	3	0.5	3.5
	STK-800LBS/6G	±800	5	2.5	250	3	0.5	3.5
	STK-900LBS/6G	±900	5	2.22	250	3	0.5	3.5
	STK-1000LBS/6G	±1000	5	2	250	3	0.5	3.5



STK-LBS/S



STK-LBS/S2



STK-LBS/6G

◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Votage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	OCF Function	Trigger Delay	Trigger Holding	X TRange (%FS)	PRODUCT PACKAGE
		I _{pn} (A)	V _{cc} (V)	Gain (mV/A, mA/A)	f _{band} (kHz)	t _r (us)	d _{Cl} (mm)	OCF	t _{mask} (us)	t _{hold} (ms)	Acc (%FS)	
STK-616AM	STK-616A-25MLB5	±25	5	48	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50MLB5	±50	5	24	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-60MLB5	±60	5	20	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80MLB5	±80	5	15	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100MLB5	±100	5	12	600	0.9	8.5	YES	0~3	0~4.5	3.5	
STK-616AM3	STK-616A-50ML3B5	±50	5	40	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML3B3	±50	3.3	26.4	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-50ML3U5	50	5	80	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-66ML3B5	±66	5	30	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-75ML3B5	±75	5	26.6	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80ML3B5	±80	5	25	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-90ML3B5	±90	5	22.2	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-95ML3U5	95	5	42.1	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100ML3U5	100	5	20	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100ML3B5	±100	5	40	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-120ML3B5	±120	5	16.5	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-150ML3B5	±150	5	13.3	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-180ML3B5	±180	5	11.1	600	0.9	8.5	YES	0~3	0~4.5	3.5	
STK-616AM5	STK-616A-25ML5B5	±25	5	80	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML5B5	±50	5	40	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-60ML5B5	±60	5	33.3	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80ML5B5	±80	5	25	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100ML5B5	±100	5	20	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-120ML5B5	±120	5	15	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-200ML5B5	±200	5	10	600	0.9	8.5	YES	0~3	0~4.5	3.5	

◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Voltage	Sensitivity	Frequency Bandwidth -3dB	Step Response time	Clearance	OCF Function	Trigger Delay	Trigger Holding	X_TRange (%FS)	PRODUCT PACKAGE
		I _{pn} (A)	V _{cc} (V)	Gain (mV/A, mA/A)	f _{band} (kHz)	t _r (μs)	d _{Cl} (mm)	OCF	t _{mask} (μs)	t _{hold} (ms)	Acc (%FS)	
STK-616AM5	STK-616A-25ML5B3	±25	3.3	52.8	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML5B3	±50	3.3	26.4	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-55ML5B3	±55	3.3	24	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-60ML5B3	±60	3.3	33.3	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80ML5B3	±80	3.3	16.5	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100ML5B3	±100	3.3	13.2	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-50ML5U5	50	5	80	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80ML5U5	80	5	80	600	0.9	8.5	YES	0~3	0~4.5	3.5	
STK-616AM8	STK-616A-100ML5U3	100	3.3	26.4	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC10 Like 10.9 × 12.7 mm
	STK-616A-50ML8B5	±50	5	40	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-80ML8B5	±50	5	25	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-90ML8B5	±90	5	22.2	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-100ML8B5	±100	5	20	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616A-133ML8B5	±133	5	15	600	0.9	8.5	YES	0~3	0~4.5	3.5	
STK-616BML	STK-616A-50ML8B3	±50	3.3	26.4	600	0.9	8.5	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616A-100ML8B3	±100	3.3	13.2	600	0.9	8.5	YES	0~3	0~4.5	3.5	
	STK-616B-6.5MLB5	±6.5	5	200	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616B-13MLB5	±13	5	100	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616B-15MLB5	±15	5	90	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616B-28MLB5	±28	5	48	600	0.9	8	YES	0~3	0~4.5	3.5	
STK-616DML	STK-616B-56MLB5	±56	5	24	600	0.9	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616B-65MLB5	±65	5	20.5	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616D-12MLB3	±12.5	3.3	37	600	0.9	7.5	YES	0~3	0~4.5	3.5	
	STK-616D-20MLB3	±20	3.3	25	600	0.9	7.5	YES	0~3	0~4.5	3.5	
	STK-616D-25MLB3	±25	3.3	18.5	600	0.9	7.5	YES	0~3	0~4.5	3.5	
	STK-616D-6MLB5	±6	5	151	600	0.9	7.5	YES	0~3	0~4.5	3.5	
STK-616HML	STK-616D-12MLB5	±12.5	5	56	600	0.9	7.5	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616D-25MLB5	±25	5	28	600	0.9	7.5	YES	0~3	0~4.5	3.5	
	STK-616H-10MLB5	±10	5	80	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616H-15MLB5	±15	5	53.33	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616H-20MLB5	±20	5	40	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616H-30MLB5	±30	5	26.67	600	0.9	8	YES	0~3	0~4.5	3.5	
STK-616KMF	STK-616K-20MFB3	±20	3.3	66	1500	0.2	7.5	YES	0~3	0~4.5	3	SOIC16W Like 10.3 × 10.3 mm
	STK-616K-30MFB5	±30	5	66.6	1500	0.2	7.5	YES	0~3	0~4.5	3	
	STK-616K-40MFB3	±40	3.3	33	1500	0.2	7.5	YES	0~3	0~4.5	3	
	STK-616K-65MFB3	±65	3.3	20.3	1500	0.2	7.5	YES	0~3	0~4.5	3	
	STK-616K-40MFB5	±40	5	50	1500	0.2	7.5	YES	0~3	0~4.5	3	
STK-616TML	STK-616T-20MLB5	±20	5	100	600	0.9	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-30MLB5	±30	5	66	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MLB5	±40	5	50	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-50MLB5	±50	5	40	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MLB5	±65	5	30.8	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-75MLB5	±75	5	26.7	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-100MLB5	±100	5	20	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-133MLB5	±133	5	15	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-10MLB3	±10	3.3	132	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-20MLB3	±20	3.3	66	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-30MLB3	±30	3.3	44	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-33MLB3	±33	3.3	39.6	600	0.9	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MLB3	±40	3.3	33	600	0.9	8	YES	0~3	0~4.5	3.5	
STK-616T-65MLB3	±65	3.3	20.3	600	0.9	8	YES	0~3	0~4.5	3.5		
STK-616TMF	STK-616T-10MFB5	±10	5	200	1500	0.6	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-20MFB5	±20	5	100	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MFB5	±40	5	50	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-50MFB5	±50	5	40	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MFB5	±65	5	30.8	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-10MFB3	±10	3.3	132	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-20MFB3	±20	3.3	66	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-30MFB3	±30	3.3	44	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MFB3	±40	3.3	33	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-50MFB3	±50	3.3	26.4	1500	0.6	8	YES	0~3	0~4.5	3.5	

◎ Coreless Solution / 无磁芯方案

Type	Partnumber	Normal Current	Supply Voltage	Sensitivity	Frequency Bandwidth	Step Response time	Clearance	OCD Function	Trigger Delay	Trigger Holding	X_Trangle	PRODUCT PACKAGE
		I _{pn} (A)	V _{cc} (V)	G _{an} (mV/A, mA/A)	f _{band} (kHz)	t _r (μs)	d _{Cl} (mm)	OCD	t _{mask} (μs)	t _{hold} (ms)	Acc (%FS)	
STK-616TMF5	STK-616T-10MFB5	±10	5	200	1500	0.6	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-20MFB5	±20	5	100	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MFB5	±40	5	50	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-50MFB5	±50	5	40	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MFB5	±65	5	30.8	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-100MFB5	±100	5	20	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-133MFB5	±133	5	15	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-10MFB3	±10	3.3	132	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-20MFB3	±20	3.3	66	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MFB3	±40	3.3	33	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-50MFB3	±50	3.3	26.4	1500	0.6	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MFB3	±65	3.3	20.3	1500	0.6	8	YES	0~3	0~4.5	3.5	
STK-616TMM	STK-616T-40MWB5	±40	5	50	600	0.2	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-65MWB5	±65	5	30.8	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-20MWB3	±20	3.3	66	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MWB3	±40	3.3	33	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MWB3	±65	3.3	20.3	600	0.2	8	YES	0~3	0~4.5	3.5	
STK-616TMW	STK-616T-20MWB5	±20	5	100	600	0.2	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-40MWB5	±2A	5	1000	600	0.2	8	YES	0~3	0~4.5	3.5	
		±40	5	50	600	0.2	8	YES	0~3	0~4.5	3.5	
		±4A	5	500	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-65MWB5	±65	5	30.8	600	0.2	8	YES	0~3	0~4.5	3.5	
		±6.5	5	308	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-20MWB3	±20	3.3	66	600	0.2	8	YES	0~3	0~4.5	3.5	
		±2	3.3	660	600	0.2	8	YES	0~3	0~4.5	3.5	
	STK-616T-40MWB3	±40	3.3	33	600	0.2	8	YES	0~3	0~4.5	3.5	
		±4	3.3	330	600	0.2	8	YES	0~3	0~4.5	3.5	
STK-616TMWD	STK-616T-65MWB3	±65	3.3	20.3	600	0.2	8	YES	0~3	0~4.5	3.5	SOIC16W Like 10.3 × 10.3 mm
	STK-616T-20MWDB5	±20	5	40	600	0.2	8	NO	N/A	N/A	3.5	
		±40	5	20	600	0.2	8	NO	N/A	N/A	3.5	
		±65	5	13.3	600	0.2	8	NO	N/A	N/A	3.5	
		±33	3.3	39.6	600	0.2	8	NO	N/A	N/A	3.5	
		±20	3.3	66	600	0.2	8	NO	N/A	N/A	3.5	
STK-616ZMF	STK-616T-40MWDB3	±40	3.3	33	600	0.2	8	NO	N/A	N/A	3.5	SOIC8 Like 4.9 × 6.0 mm
	STK-616T-65MWDB3	±65	3.3	20.3	600	0.2	8	NO	N/A	N/A	3.5	
	STK-616Z-10MFU5	10	5	400	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-10MFB5	±10	5	200	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-10MFB3	±10	3.3	132	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-20MFB5	±20	5	100	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-20MFB3	±20	3.3	66	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-25MFB3	±25	3.3	52.8	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-25MFB5	±25	5	80	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-30MFB3	±30	3.3	44	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-30MFB5	±30	5	66.7	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-30MFU5	30	5	133.3	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-30MFU3	30	3.3	88	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-40MFB3	±40	3.3	33	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-40MFB5	±40	5	50	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MFB5	±50	5	40	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MFU3	50	3.3	52.8	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MFB3	±50	3.3	26.4	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MFU5	50	5	88	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-65MFB3	±65	3.3	30	2000	0.05	4.2	NO	N/A	N/A	3.5	
STK-616ZMT	STK-616Z-65MFB5	±65	5	30	2000	0.05	4.2	NO	N/A	N/A	3.5	SOIC8 Like 4.9 × 6.0 mm
	STK-616Z-10MTB5	±10	5	200	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-20MTB5	±20	5	100	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-30MTB5	±30	5	66.7	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-40MTB5	±40	5	50	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MTB5	±50	5	40	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-65MTB3	±65	5	30	2000	0.05	4.2	NO	N/A	N/A	3.5	
	STK-616Z-50MTB3	±50	3.3	26.4	2000	0.05	4.2	NO	N/A	N/A	3.5	

◎ Coreless Solution / 无磁芯方案



STK-616/AM



STK-616/AM3



STK-616/AM5



STK-616/AM8



STK-616/BML



STK-616/DML



STK-616/HML



STK-616/KML



STK-616/TML



STK-616/TMF



STK-616/TMF5



STK-616/TMM



STK-616/TMW



STK-616/TMWD



STK-616ZMF



STK-616ZMT



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

Charging Piles / 充电桩

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		Technology	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	10 ~ 180	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

