

POWER INTEGRATIONS

range of products

SCALE-1 Driver Cores

	Gate current/A	Channels	Pout Channel	Voltage	Trafo
1SC0450		1			
1SD1548AI	48	1	15	1200/1700	Ring Core
1SP0340		1			
1SP0350		1			
2SP0325		2			
2SD106AI	6	2	1	1200	Ring Core
2SD106AI-17	6	2	1	1700	Ring Core
2SD315AI	15	2	3	1200/1700	Ring Core
2SD315AI-25	15	2	3	2500	Ring Core
2SD315AI-33	15	2	3	3300	Ring Core
6SD106EI	6	6	1	1200	Ring Core
6SD106EI-17	6	6	1	1700	Ring Core
IHD260	6	2	1	1200/1700	Ring Core
IHD660	6	2	3	1200/1700	Ring Core
IGD616	16	1	6	1200/1700	Ring Core
IGD515EI	15	1	5	1200/1700	Ring Core
IGD515EI-34	15	1	5	3400	Ring Core

SCALE-2 Driver Cores

	Gate current/A	Channels	Pout Channel	Voltage	Trafo
◇ 1SC2060P2A0-17	60	1	20	1200/1700	Planar
◇ 2SC0106		2			
◇ 2SC0108T2A0-17 (-20°C)	8	2	1.1	1200/1700	Ring Core
◇ 2SC0108T2B0-17	8	2	1.1	1200/1700	Ring Core
◇ 2SC0108T2C0-17 (long Pin)	8	2	1.1	1200/1700	Ring Core
◇ 2SC0115		2			
◇ 2SD300C17A0	40	2	4	1200/1700	Ring Core
◇ 2SD300C17A0-T (coated)	40	2	4	1200/1700	Ring Core
◇ 2SC0435T2A0-17	35	2	4	1200/1700	Ring Core
◇ 2SC0435T2C0-17 (long Pin)	35	2	4	1200/1700	Ring Core
↑ 2SC0535T2A0-33	35	2	5	2500/3300	Ring Core
◇ 2SC0635T		2			
◇ 2SC0650P2A0-17	50	2	6	1200/1700	Planar

SCALE-1 Plug & Play Driver

	Fitting Module Package*	Channels	Interface	Voltage Class	Topology**
1SD210F2	V71),V3,V9	1	Straight Versat	4500/6500	2+M
1SD210F2 Opt.1	V71),V3,V9	1	Lateral Versatil	4500/6500	2+M
1SD210F2 Opt.2	V71),V3,V9	1	ST	4500/6500	2+M
1SD312F2	V3,V9	1	Versatile Link	4500	2+M
1SD418F2(1.7kV)	M3,M9	1	Versatile Link	1700	2+M
1SD418F2(2.5/3.3kV)	V3,V9	1	Versatile Link	2500/3300	2+M
1SD536F2(1.2/1.7kV)	M3,M9	1	Versatile Link	1200/1700	2+M
1SD536F2(2.5/3.3kV)	V3,V9	1	Versatile Link	2500/3300	2+M
1SD536F2(1.2/1.7kV)Opt.1	M3,M9	1	ST	1200/1700	2+M
1SD536F2(2.5/3.3kV)Opt.1	V3,V9	1	ST	2500/3300	2+M
2SB315A	M3,M9	2	DIC20	1200/1700	2
2SB315B	M3	2	Versatile Link	1200/1700	2
2SB315B Opt.1	M3	2	ST	1200/1700	2
2SD316EI-122) needs DB01	ED	2	DIC20	1200	2
2SD316EI-172) needs DB01	ED	2	DIC20	1700	2
6SD312EI3) needs EB01	EP+	6	DIC40	1200/1700	2
DB01	ED	2	n.a.	1200/1700	n.a.
EB01	EP+	6	n.a.	1200/1700	n.a.

DC/DC Converter

	Isolation Voltage	Voltage out	Power out	Voltage Class	Fitting to Driver
ISO3116I-45	7.4kV	16.4V	3W	4500	1SD312F2
ISO3116I-65	10.2kV	16.4V	3W	6500	1SD210F2
ISO3116I-100	15.2kV	16.4V	3W	10000	1SD210F2
ISO3116I-120	18.0kV	16.4V	3W	12000	1SD210F2
◇ ISO5125I-45	7.4kV	25.0V	5W	4500	1SP0335x2M
◇ ISO5125I-65	10.2kV	25.0V	5W	6500	1SP0335x2M
◇ ISO5125I-100	15.2kV	25.0V	5W	10000	1SP0335x2M
◇ ISO5125I-120	18.0kV	25.0V	5W	12000	1SP0335x2M

SCALE-2 Plug & Play Driver

	Fitting Module Package*	Channels	Interface	Voltage Class	Topology**
2SP0115T2A0 (-20°C)	ED	2	DIC20	1200/1700	2+P
2SP0115T2B0	ED	2	DIC20	1200/1700	2+P
2SP0320T2A0	PP	2	DIC20	1200/1700	2+P
2SP0320V2A0	PP	2	Versatile Link	1200/1700	2
2SP0320S2A0	PP	2	ST	1200/1700	2
◇ 1SP0635V2M	V3,V9,M3,M9	1	Versatile Link	1700/3300	M+P
◇ 1SP0635S2M	V3,V9,M3,M9	1	ST	1700/3300	M+P
◇ 1SP0635D2S	V3,V9,M3,M9	1	Direct Bus	1700/3300	M+P
◇ 1SP0335V2M	V3,V9	1	Versatile Link	4500/6500	M+P
◇ 1SP0335S2M	V3,V9	1	ST	4500/6500	M+P
◇ 1SP0335D2S	V3,V9	1	Direct Bus	4500/6500	M+P

Note

◇ New Device/Neues Produkt	* Modul Package Matrix		** Topology	
↑ New Device under development	EconoDual	ED	Multilevel	M
	EconoPACK	EP+	Paralleling	P
*** NO High Voltage Insulation !	IHM 130	M3	2-Level	2
HV Cable insulation not provided and must be ensured by customer	IHM 190	M9		
	IHV 130	V3		
	IHV 190	V9		
	IHV 73 (cable needed)	1)V7		
	PrimePACK	PP		