

## 公司背景

安建科技有限公司(JSAB Technologies Limited)于2016年在香港成立，是一所专门从事功率半导体元器件产品设计、研发及销售的高科技公司。汉臣电子科技有限公司(Honson Technologies Limited)是安建科技集团的附属公司，公司地点位于广东省中山市。安建科技主要业务是按照国内外客户的需要进行设计和研发，为他们提供定制化的功率半导体元器件产品。



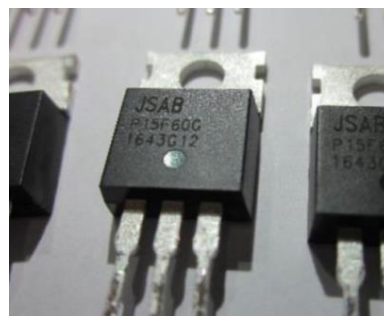
香港安建科技



中山汉臣电子

安建科技由著名大学教授创办与领导，该教授是大中华区唯一的从事硅基功率半导体行业的美国电子电气工程师学会会士(IEEE Fellow)。安建科技以北美及香港著名大学博士为技术骨干，并拥有来自欧美及日本顶级整合元件制造商、台湾晶圆代工大厂的工程师团队。技术团队拥有国际水平的创新及研发能力，广泛的技术专长涵盖器件设计、工艺开发、失效分析、产品质量及可靠性保证、产品良率控制与提升等。团队已开发出一系列拥有知识产权的技术平台，并战略性地与世界知名学府香港科技大学合作，增强科研实力。

安建科技与业内顶级晶元代工厂及封装厂合作，确保产品质量。目前主要产品包括沟槽型场截止绝缘栅双极性晶体管(Trench Field-Stop IGBT)、屏蔽栅沟槽型场效应晶体管(Shielded-Gate Trench MOSFET)等，产品已被广泛应用于电源管理、电机驱动等系统中。正在开发的产品包括超结型场效应晶体管(Superjunction MOSFET)、碳化硅场效应晶体管(SiC MOSFET)等。致力于成为大中华区的世界级功率半导体企业。



安建科技 IGBT 封装片



香港科技大学

## 联络方法

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## 目前产品

产品可以以晶圆或成品的形式提供给客户，技术团队会在封装、测试或应用方面向客户提供技术支持及专业意见。

## Trench Field-Stop IGBTs

Part No.	Product Family	Package Type / Die	Polarity	V <sub>CE</sub> [V]	I <sub>C</sub> (1) [A]	V <sub>GS</sub> [V]	V <sub>GE(th)</sub>		V <sub>CEsat</sub>		Sample Availability
							Min.	Max.	Typ.	Max.	
JHP15N60VC	IGBT+FRD	TO-220	N	600	15	±20	5	7	1.6	2	Available
JHF15N60VB	IGBT+FRD	TO-220F	N	600	15	±20	5	7	1.6	2	May 2019
JHF15N60FB	IGBT+FRD	TO-220F	N	600	15	±20	5	7	1.6	2	May 2019
JHP08N60FC	IGBT+FRD	TO-220	N	600	8	±20	5	7	1.6	2	
JHP05N60FC	IGBT+FRD	TO-220	N	600	5	±20	5	7	1.6	2	
JHH40N120FA	IGBT+FRD	TO-247	N	1200	40	±20	5	7	1.7	2.1	May 2019
JHH25N120FA	IGBT+FRD	TO-247	N	1200	25	±20	5	7	1.7	2.1	Apr 2019
JHH15N120FA	IGBT+FRD	TO-247	N	1200	15	±20	5	7	1.7	2.1	Apr 2019
JRA20N120F	RC IGBT	TO-3PN	N	1200	20	±20	5	7	1.7	2.1	

## Superjunction (SJ) MOSFETs

Part No.	Product Family	Package Type / Die	Configuration	Polarity	V <sub>DS</sub> [V]	I <sub>D</sub> (1) [A]	I <sub>D</sub> (2) [A]	V <sub>GS</sub> [V]	V <sub>GS(th)</sub>		R <sub>DS(ON)</sub> @4.5		R <sub>DS(ON)</sub> @10V		Sample Availability
									Min.	Max.	Typ.	Max.	Typ.	Max.	
JMH72N65S	SJ	TO-247	Single	N	650	72	-	±20	2.5	3.5	-	-	31	35	
JMH42N65S	SJ	TO-247	Single	N	650	42	-	±20	2.5	3.5	-	-	62	70	
JMP42N65S	SJ	TO-220	Single	N	650	42	-	±20	2.5	3.5	-	-	62	70	
JMH32N65S	SJ	TO-247	Single	N	650	32	-	±20	2.5	3.5	-	-	85	99	
JMP32N65S	SJ	TO-220	Single	N	650	32	-	±20	2.5	3.5	-	-	85	99	
JMH30N65S	SJ	TO-247	Single	N	650	30	-	±20	2.5	3.5	-	-	93	105	
JMP30N65S	SJ	TO-220	Single	N	650	30	-	±20	2.5	3.5	-	-	93	105	
JMH26N65S	SJ	TO-247	Single	N	650	26	-	±20	2.5	3.5	-	-	110	125	
JMP26N65S	SJ	TO-220	Single	N	650	26	-	±20	2.5	3.5	-	-	110	125	
JMH22N65S	SJ	TO-247	Single	N	650	22	-	±20	2.5	3.5	-	-	140	160	
JMP22N65S	SJ	TO-220	Single	N	650	22	-	±20	2.5	3.5	-	-	140	160	
JMH18N65S	SJ	TO-247	Single	N	650	18	-	±20	2.5	3.5	-	-	170	190	
JMP18N65S	SJ	TO-220	Single	N	650	18	-	±20	2.5	3.5	-	-	170	190	
JMP15N65S	SJ	TO-220	Single	N	650	15	-	±20	2.5	3.5	-	-	205	230	
JMP13N65S	SJ	TO-220	Single	N	650	13	-	±20	2.5	3.5	-	-	250	280	
JMD13N65S	SJ	TO-252	Single	N	650	13	-	±20	2.5	3.5	-	-	250	280	
JMP12N65S	SJ	TO-220	Single	N	650	12	-	±20	2.5	3.5	-	-	290	330	
JMD12N65S	SJ	TO-252	Single	N	650	12	-	±20	2.5	3.5	-	-	290	330	
JMP10N65S	SJ	TO-220	Single	N	650	10	-	±20	2.5	3.5	-	-	350	400	
JMD10N65S	SJ	TO-252	Single	N	650	10	-	±20	2.5	3.5	-	-	350	400	
JMP09N65S	SJ	TO-220	Single	N	650	9	-	±20	2.5	3.5	-	-	400	450	
JMD09N65S	SJ	TO-252	Single	N	650	9	-	±20	2.5	3.5	-	-	400	450	
JMP08N65S	SJ	TO-220	Single	N	650	8	-	±20	2.5	3.5	-	-	500	550	
JMD08N65S	SJ	TO-252	Single	N	650	8	-	±20	2.5	3.5	-	-	500	550	
JMP07N65S	SJ	TO-220	Single	N	650	7	-	±20	2.5	3.5	-	-	600	700	
JMD07N65S	SJ	TO-252	Single	N	650	7	-	±20	2.5	3.5	-	-	600	700	
JMS05N65S	SJ	SO8	Single	N	650	5	-	±20	2.5	3.5	-	-	850	950	
JMS04N65S	SJ	SO8	Single	N	650	4	-	±20	2.5	3.5	-	-	1100	1250	
JMS03N65S	SJ	SO8	Single	N	650	3	-	±20	2.5	3.5	-	-	1700	1900	
JMS02N65S	SJ	SO8	Single	N	650	2	-	±20	2.5	3.5	-	-	2200	2400	

- (1) Limited by maximum junction temperature  
(2) Limited by package

## Shielded-Gate Trench (SGT) MOSFETs (25-40 V)

Part No.	Product Family	Package Type / Die	Configuration	Polarity	V <sub>DS</sub> [V]	I <sub>D</sub> (1) [A]	I <sub>D</sub> (2) [A]	V <sub>GS</sub> [V]	V <sub>GS(th)</sub>		R <sub>DS(ON)</sub> @2.5		R <sub>DS(ON)</sub> @4.5		R <sub>DS(ON)</sub> @10V		Sample Availability
									Min.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	
									[V]	[V]	[mΩ]	[mΩ]	[mΩ]	[mΩ]	[mΩ]	[mΩ]	
JMV3809N	SGT	DFN 3.3x3.3	-	N	25	-	-	±12	0.4	1.2	13	17	9	11.7	-	-	Available
JMV3815N	SGT	DFN 3.3x3.3	-	N	25	-	18	±12	0.4	1.2	11	14	8.1	10.1	-	-	Jun 2019
JMV3816N	SGT	DFN 3.3x3.3	-	N	25	-	18	±12	0.4	1.2	9	11.7	6.8	8.8	-	-	Jun 2019
JMT3801N	SGT	DFN 3.3x3.3	Dual	N	25	-	10	±15	0.5	1.5	-	-	9.8	12	8.5	10.5	Available
JMM3701N	SGT	DFN 5x6	-	N	25	-	-	±12	0.4	1.2	10.3	13.4	8	10.4	-	-	May 2019
JMV3701N	SGT	DFN 3.3x3.3	-	N	25	-	20	±12	0.4	1.2	8.8	11.5	6.5	8.4	-	-	May 2019
JMD3701N	SGT	TO-252	-	N	25	-	-	±12	0.4	1.2	8.3	10.8	6	7.8	-	-	Jun 2019
JMV3712N	SGT	DFN 3.3x3.3	-	N	25	-	30	±12	0.4	1.2	4.6	6	3.3	4.3	-	-	May 2019
JMM3708N	SGT	DFN 5x6	-	N	25	-	-	±12	0.4	1.2	3.9	5.1	3.1	4	-	-	Available
JMV3708N	SGT	DFN 3.3x3.3	-	N	25	-	40	±12	0.4	1.2	3	3.9	2.2	2.8	-	-	Available
JMV3708NA	SGT	DFN 3.3x3.3	-	N	25	-	50	±12	0.4	1.2	2.5	3.2	1.7	2.2	-	-	Apr 2019
JMM4809N	SGT	DFN 5x6	-	N	30	-	-	±20	1.2	2.2	-	-	19.4	25	12.7	16.5	May 2019
JMV4809N	SGT	DFN 3.3x3.3	-	N	30	-	-	±20	1.2	2.2	-	-	17.9	23	11.2	14.5	May 2019
JMV4815N	SGT	DFN 3.3x3.3	-	N	30	-	18	±20	1.2	2.2	-	-	13	16.9	8.9	11.2	Jun 2019
JMM4816N	SGT	DFN 5x6	-	N	30	-	-	±20	1.2	2.2	-	-	12.1	15.7	8.9	11.5	Jun 2019
JMV4816N	SGT	DFN 3.3x3.3	-	N	30	-	18	±20	1.2	2.2	-	-	10.6	13.8	7.4	9.6	Jun 2019
JMV4702N	SGT	DFN 3.3x3.3	-	N	30	-	10	±20	1.2	2.2	-	-	10.3	13.4	7	9.1	
JMP4812N	SGT	TO-220	-	N	30	-	-	±20	1.2	2.2	-	-	7.8	10.1	5.4	7	May 2019
JMD4812N	SGT	TO-252	-	N	30	-	-	±20	1.2	2.2	-	-	7.3	9.5	4.9	6.3	May 2019
JMM4812N	SGT	DFN 5x6	-	N	30	-	-	±20	1.2	2.2	-	-	7.1	9.2	4.7	6.1	May 2019
JMV4812N	SGT	DFN 3.3x3.3	-	N	30	-	30	±20	1.2	2.2	-	-	6.5	8	4.1	5	Available
JMP4808N	SGT	TO-220	-	N	30	-	-	±20	1.2	2.2	-	-	4	5.2	3.1	4	Apr 2019
JMM4808N	SGT	DFN 5x6	-	N	30	-	-	±20	1.2	2.2	-	-	4.3	5.6	3.4	4.4	May 2019
JMD4808N	SGT	TO-252	-	N	30	-	-	±20	1.2	2.2	-	-	3.6	4.6	2.7	3.5	May 2019
JMV4808N	SGT	DFN 3.3x3.3	-	N	30	-	-	±20	1.2	2.2	-	-	3.4	4.4	2.5	0.2	Apr 2019
JMM4708NA	SGT	DFN 3.3x3.3	-	N	30	-	-	±20	1.2	2.2	-	-	3.3	4.3	2	2.6	Jun 2019
JMS4810N	SGT	DFN 3x3A	Dual	N	30	-	18	±20	1.2	2.2	-	-	12.4	15.8	8.3	10.2	Apr 2019
JMP5856N	SGT	TO-220	Single	N	40	320	160	±20	1	2	-	-	1.45	1.8	1.35	1.65	
JMP5857N	SGT	TO-220	Single	N	40	265	120	±20	1	2	-	-	1.8	2.2	1.7	2.1	
JMP5858N	SGT	TO-220	Single	N	40	240	120	±20	1	2	-	-	2	2.4	1.8	2.2	
JMM5862N	SGT	DFN 5x6	Single	N	40	230	-	±20	1	2	-	-	1.4	1.7	1.25	1.5	
JMP5859N	SGT	TO-220	Single	N	40	210	120	±20	1	2	-	-	2.1	2.6	2	2.4	
JMM5863N	SGT	DFN 5x6	Single	N	40	210	-	±20	1	2	-	-	1.6	2	1.35	1.65	
JMM5864N	SGT	DFN 5x6	Single	N	40	190	-	±20	1	2	-	-	1.8	2.2	1.5	1.8	
JMP5860N	SGT	TO-220	Single	N	40	170	120	±20	1	2	-	-	2.6	3.2	2.4	3	
JMM5865N	SGT	DFN 5x6	Single	N	40	165	-	±20	1	2	-	-	2	2.4	1.7	2.1	
JMM5866N	SGT	DFN 5x6	Single	N	40	140	-	±20	1	2	-	-	2.5	3	2	2.4	
JMP5861N	SGT	TO-220	Single	N	40	120	80	±20	1	2	-	-	3.8	4.6	3.4	4.2	
JMM5867N	SGT	DFN 5x6	Single	N	40	120	-	±20	1	2	-	-	3	3.6	2.4	3	
JMV5868N	SGT	DFN 3.3x3.3	Single	N	40	95	-	±20	1	2	-	-	4	4.8	3.2	3.9	
JMM5854N	SGT	DFN 5x6	Single	N	40	75	-	±20	1	2	-	-	5.6	6.8	4.6	5.6	
JMM5853N	SGT	DFN 5x6	Single	N	40	60	-	±20	1	2	-	-	6.9	8.2	5.6	6.8	
JMM5851N	SGT	DFN 5x6	Single	N	40	55	-	±20	1	2	-	-	8.3	10	6.6	8	
JMM5855N	SGT	DFN 5x6	Single	N	40	40	-	±20	1	2	-	-	11.7	14.2	9.4	11.4	
JMM5852N	SGT	DFN 5x6	Single	N	40	30	-	±20	1	2	-	-	18	22	15	18	
JMV5869N	SGT	DFN 3.3x3.3	Single	N	40	20	-	±20	1	2	-	-	25	30	20	25	
JMD5865N	SGT	TO-252	Single	N	40	-	50	±20	1	2	-	-	2.4	3	2.1	2.6	
JMD5866N	SGT	TO-252	Single	N	40	-	50	±20	1	2	-	-	2.9	3.6	2.5	3	
JML5867N	SGT	SO8	Single	N	40	-	24	±20	1	2	-	-	3.5	4.5	2.9	3.5	
JML5868N	SGT	SO8	Single	N	40	-	21	±20	1	2	-	-	4.5	5.8	3.7	4.5	
JML5854N	SGT	SO8	Single	N	40	-	19	±20	1	2	-	-	5.2	6.6	4.3	5.2	
JML5853N	SGT	SO8	Single	N	40	-	17	±20	1	2	-	-	6.8	8.6	5.5	6.8	
JML5851N	SGT	SO8	Single	N	40	-	16	±20	1	2	-	-	7.6	9.5	6.1	7.4	
JML5855N	SGT	SO8	Single	N	40	-	12	±20	1	2	-	-	12.5	16	10.2	13	
JMK5852N	SGT	SO8 dual	Single	N	40	-	8	±20	1	2	-	-	27	21	21	17	

(1) Limited by maximum junction temperature

(2) Limited by package

Shielded-Gate Trench (SGT) MOSFETs (60-100 V)

Part No.	Product Family	Package Type / Die	Configuration	Polarity	V <sub>DS</sub> [V]	I <sub>D</sub> (1) [A]	I <sub>D</sub> (2) [A]	V <sub>GS</sub> [V]	V <sub>GS(th)</sub>		R <sub>DS(on)</sub> @4.5		R <sub>DS(on)</sub> @10V		Sample Availability
									Min.	Max.	Typ.	Max.	Typ.	Max.	
JMP5801N	SGT	TO-220	Single	N	60	280	160	±20	2	4	-	-	1.6	2	
JMP5807N	SGT	TO-220	Single	N	60	220	120	±20	2	4	-	-	2.2	2.75	
JMM5808N	SGT	DFN 5x6	Single	N	60	200	-	±20	2	4	-	-	1.6	2	
JMP5802N	SGT	TO-220	Single	N	60	180	120	±20	2	4	-	-	2.6	3.2	
JMP5805N	SGT	TO-220	Single	N	60	160	120	±20	2	4	-	-	2.9	3.6	
JMM5806N	SGT	DFN 5x6	Single	N	60	150	-	±20	2	4	-	-	2.2	2.75	
JMP5804N	SGT	TO-220	Single	N	60	135	120	±20	2	4	-	-	3.5	4.3	
JMP5809N	SGT	TO-220	Single	N	60	100	80	±20	2	4	-	-	4.9	6.1	
JMV5810N	SGT	DFN 3.3x3.3	Single	N	60	90	-	±20	2	4	-	-	4	5	
JMP5803N	SGT	TO-220	Single	N	60	80	45	±20	2	4	-	-	6.7	8.2	
JMV5811N	SGT	DFN 3.3x3.3	Single	N	60	80	-	±20	2	4	-	-	5	6.1	
JMV5812N	SGT	DFN 3.3x3.3	Single	N	60	55	-	±20	2	4	-	-	7.6	9.5	
JMV5813N	SGT	DFN 3.3x3.3	Single	N	60	40	-	±20	2	4	-	-	11	13.5	
JMP6801N	SGT	TO-220	Single	N	85	195	120	±20	2.4	3.6	-	-	2.8	3.4	
JMP6802N	SGT	TO-220	Single	N	85	120	120	±20	2.4	3.6	-	-	5	6	
JMV6804N	SGT	DFN 3.3x3.3	Single	N	80	15	-	±20	2.4	3.6	-	-	50	60	
JMP7801N	SGT	TO-220	Single	N	100	260	160	±20	2	4	-	-	2.3	2.8	
JMP7802N	SGT	TO-220	Single	N	100	200	120	±20	2	4	-	-	3.2	3.7	
JMP7803N	SGT	TO-220	Single	N	100	165	120	±20	2	4	-	-	3.8	4.6	
JMP7804N	SGT	TO-220	Single	N	100	135	120	±20	2	4	-	-	4.8	6	
JMM7813N	SGT	DFN 5x6	Single	N	100	130	-	±20	2	4	-	-	3.9	4.8	
JMP7805N	SGT	TO-220	Single	N	100	110	120	±20	2	4	-	-	6	7.2	
JMP7807N	SGT	TO-220	Single	N	100	110	80	±20	2	4	-	-	6.1	7.3	
JMM7807N	SGT	DFN 5x6	Single	N	100	105	-	±20	2	4	-	-	4.7	5.8	
JMP7808N	SGT	TO-220	Single	N	100	95	80	±20	2	4	-	-	6.9	8.3	
JMP7806N	SGT	TO-220	Single	N	100	90	120	±20	2	4	-	-	7.3	8.5	
JMP7809N	SGT	TO-220	Single	N	100	85	80	±20	2	4	-	-	7.7	9.3	
JMP7810N	SGT	TO-220	Single	N	100	80	80	±20	2	4	-	-	8.4	10.2	
JMP7811N	SGT	TO-220	Single	N	100	75	80	±20	2	4	-	-	9.2	11.2	
JMP7812N	SGT	TO-220	Single	N	100	55	40	±20	2	4	-	-	13	16	
JMM7808N	SGT	DFN 5x6	Single	N	100	90	-	±20	2	4	-	-	5.4	6.8	
JMM7809N	SGT	DFN 5x6	Single	N	100	80	-	±20	2	4	-	-	6.2	7.8	
JMM7810N	SGT	DFN 5x6	Single	N	100	75	-	±20	2	4	-	-	7	8.8	
JMM7811N	SGT	DFN 5x6	Single	N	100	70	-	±20	2	4	-	-	7.8	9.8	
JMM7814N	SGT	DFN 5x6	Single	N	100	65	-	±20	2	4	-	-	8.3	10.4	
JMM7812N	SGT	DFN 5x6	Single	N	100	55	-	±20	2	4	-	-	10.5	13	
JMM7815N	SGT	DFN 5x6	Single	N	100	50	-	±20	2	4	-	-	11	14	
JMM7816N	SGT	DFN 5x6	Single	N	100	45	-	±20	2	4	-	-	13.6	16.8	
JMV7817N	SGT	DFN 3.3x3.3	Single	N	100	40	-	±20	2	4	-	-	17.3	21	
JMV7818N	SGT	DFN 3.3x3.3	Single	N	100	30	-	±20	2	4	-	-	23	28	
JMV7819N	SGT	DFN 3.3x3.3	Single	N	100	25	-	±20	2	4	-	-	30	40	
JMV7820N	SGT	DFN 3.3x3.3	Single	N	100	20	-	±20	2	4	-	-	38	50	
JMV7821N	SGT	DFN 3.3x3.3	Single	N	100	16	-	±20	2	4	-	-	50	65	
JMV7822N	SGT	DFN 3.3x3.3	Single	N	100	14	-	±20	2	4	-	-	60	80	

(1) Limited by maximum junction temperature

(2) Limited by package