



Samhop Selection Guide - Mosfet Product

N Channel Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
SC8252	CSP	Dual N	24	12	4.5	1.60		43.0	45.0		54.0	66.0	1.10	363	180	67			11.30			V
SC8220	CSP	Dual N	24	12	5.8	1.60		28.0	30.0		35.0	42.0	0.65	399	189	71			12.70			V
SC8272	CSP	Dual N	24	12	6.0	1.60		23.0	24.0		25.5	35.0	0.86	437	205	77			15.20			V
STM4800S	SOP8	Single-N	30	20	8.0	2.50	20.0	28.0					1.70	820	177	60	15.0	7.7		2.20	4.70	
STM4820	SOP8	Single-N	30	20	8.9	2.50	21.0	30.0					1.70	460	135	75	7.6	3.8		1.20	3.60	V
STM4880	SOP8	Single-N	30	20	9.6	2.50	17.0	26.0					1.80	655	176	107	10.3	5.3		1.50	2.80	V
STM4410A	SOP8	Single-N	30	20	10.0	2.50	9.5	21.0					1.70	1500	380	240	30.5	15.0		6.00	8.00	
SDM4410	SOP8	Single-N	30	20	10.0	2.50	13.5	20.0					1.50	1290	280	180	30.6	14.5		3.00	6.80	
STM4884A	SOP8	Single-N	30	20	12.0	2.50	7.0	11.0					1.60	3150	680	510	65.0	30.5		11.00	13.00	
STM4884	SOP8	Single N	30	20	13.0	2.50	7.0	11.5					1.80	1200	410	316	29.0			2.50	10.00	
STM4886E	SOP8	Single-N	30	20	17.8	2.50	5.0	7.5					1.80	3570	640	560	68.0	32.0		7.00	19.00	V
STM4886	SOP8	Single N	30	20	18.0	2.50	4.5	7.5					1.70	2410	578	485	47.0			7.60	11.50	
STM8020	SOP8	Single-N	35	20	12.0	2.50	9.0	13.0					1.40	1400	255	145	24.0	11.0		2.50	5.50	V
STM4472	SOP8	Single-N	40	20	7.0	3.00	24.0	30.0					1.80	700	140	80	13.5	6.7		1.80	2.40	V
STM4460	SOP8	Single-N	40	20	7.0	2.50	32.0	45.0					1.90	635	95	55	11.0	5.1		1.70	3.00	
STM4470E	SOP8	Single-N	40	20	9.5	2.50	12.0	15.0					1.70	1500	220	150	28.0	12.5		3.00	6.00	V
STM4470	SOP8	Single-N	40	20	10.0	2.50	10.0	13.0					1.70	1020	240	135	19.5	9.8		2.00	5.50	
STM4470A	SOP8	Single-N	40	20	10.0	2.50	10.5	13.5					1.80	1200	230	150	22.0	10.0		2.60	5.50	V
STM4432	SOP8	Single N	40	20	12.0	2.50	11.0	15.0					1.70	1375	220	170	27.0	13.0		3.50	6.50	
STM6966	SOP8	Single-N	60	20	4.5	2.50	80.0	110.0					1.80	790	50	40	13.5	6.6		1.80	3.80	V
STM4550	SOP8	Single-N	60	20	5.0	2.50	60.0	75.0					1.80	700	80	50	15.0	7.5		1.60	4.30	
STM101N	SOP8	Single-N	100	20	3.0	2.80	210.0	350.0					1.80	310	35	20	5.5			1.00	2.00	
STM201N	SOP8	Single-N	100	20	4.0	3.40	140.0	245.0					1.80	480	47	29	7.8			1.30	2.90	
STM301N	SOP8	Single-N	100	20	5.2	2.50	48.0	56.0					1.50	3100	165	130	50.0	23.0		4.70	11.00	
STM9926	SOP8	Dual-N	20	10	6.5	2.00			28.0			38	0.90	540	160	100			6.4	1.10	2.80	V
STM6912	SOP8	Dual-N	30	20	6.0	2.00	32.0	57.0					1.70	576	111	82	12.5	6.3		2.00	2.80	
STM6914	SOP8	Dual-N	30	20	6.5	2.00	32.0	52.0					1.90	513	91	73	9.2	4.7		1.30	2.70	
STM6913A	SOP8	Dual-N	30	20	6.6	2.00	26.0	32.0					1.70	520	142	90	11.5	5.8		1.30	3.10	
STM6610	SOP8	Dual-N	30	20	8.5	2.00	19.0	28.0					1.80	620	180	110	12.5	6.5		1.40	3.50	V
STM6915	SOP8	Dual-N	30	20	8.5	2.00	19.0	28.0					1.80	770	160	95	14.6	7.9		2.20	3.50	
STM6920A	SOP8	Dual-N	40	20	5.0	2.00	35.0	62.0					1.80	759	92	70	15.9	7.6		2.20	4.80	
STM6924	SOP8	Dual-N	40	20	6.8	2.00	28.0	46.0					1.80	825	80	64	13.0	6.5		2.00	3.60	



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							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STM6920	SOP8	Dual-N	40	25	7.0	2.00	25.0	45.0					1.80	947	117	77	18.2	8.7		2.80	3.30	
STM6922	SOP8	Dual-N	40	20	7.0	2.00	26.0	33.0					1.80	696	123	74	13.3	7.0		2.20	3.90	V
STM6926	SOP8	Dual-N	40	20	8.5	2.00	16.0	18.0					1.70	1500	220	145	28.0	12.0		3.00	6.00	V
STM6928	SOP8	Dual-N	40	20	9.5	2.00	14.0	16.0					1.60	1410	250	150	26.0	13.0		2.60	5.80	
STM6930A	SOP8	Dual-N	55	20	4.8	2.00	50.0	75.0					1.80	700	82	50	17.3	8.1		1.80	4.20	
STM6960A	SOP8	Dual N	60	20	4.0	2.00	71.0	92.0					1.90	820	53	40	14.0	6.5		1.70	3.30	
STM6968	SOP8	Dual-N	60	20	5.0	2.00	60.0	70.0					1.70	685	85	50	12.7	6.9		1.80	3.60	V
STM6960	SOP8	Dual-N	60	20	5.5	2.00	55.0	70.0					1.80	1100	75	55	18.0	9.0		2.30	4.90	
STM6962	SOP8	Dual-N	60	20	6.5	2.00	36.0	42.0					1.80	1200	135	80	25.0	13.0		2.60	7.00	
STM121N	SOP8	Dual N	100	20	2.8	2.00	155.0	192.0					1.90	725	50	32	10.0			1.40	2.60	
STM122N	SOP8	Dual N	100	20	3.4	2.00	100.0	125.0					1.70	930	63	45	14.0	7.3		1.70	4.00	
STT3414	SOT-223	Single N	30	12	7.0	3.00	33.0	42.0				57.0	0.90	390	69	56	9.8	5.0		0.70	2.00	
STT432S	SOT-223	Single-N	40	20	11.0	3.00	11.5	15.0					1.50	1160	218	140	22.0	11.2		2.50	5.40	
STT622S	SOT-223	Single-N	60	20	4.2	3.00	76.0	100.0					1.90	720	52	39	12.0	6.0		1.50	3.20	
STT4660	SOT-223	Single-N	60	20	8.5	3.00	23.0	36.0					2.00	2250	197	150	38.0	18.0		5.00	10.50	
STT800	SOT-223	Single N	80	20	1.4	3.00	600.0	708.0					1.70	170	22	13	3.2	1.8		0.65	0.90	V
STT100	SOT-223	Single N	100	20	1.2	3.00	1.85 (ohm)	2.3 (ohm)					2.30	69	16.6	8.2	1.9	1.3		0.55	0.67	V
STT08L01	SOT-223	Single N	100	20	2.5	3.00	225.0	360.0					1.90	312	35	22	5.7	3.2		1.10	1.80	
STT10L01	SOT-223	Single-N	100	20	3.0	3.00	140.0	225.0					1.50	455	48	32	8.0	4.5		1.20	2.60	
STK400	SOT-89	Single N	40	20	1.3	1.25	390.0	550.0					1.80	40	17.5	9.5	1.70	1.15		0.42	0.61	V
STK600	SOT-89	Single N	60	20	0.8	1.25	0.9 (ohm)	1.3 (ohm)					1.90	43	17	8.8	1.6	1.1		0.36	0.61	V
STK900	SOT-89	Single N	100	20	1.0	1.25	1.9 (ohm)	2.2 (ohm)					1.70	64	17.4	8.5	1.9	1.2		0.43	0.62	V
STK103	SOT-89	Single N	100	20	2.0	1.25	210.0	312.0					1.90	310	38	24	5.60	3.30		0.90	1.70	
STS2306	SOT-23	Single-N	20	8	2.8	1.25		45.0				60	0.80	608	114	86		9.2		1.60	2.60	
STS2308A	SOT-23	Single-N	20	10	2.7	1.25		80.0				110	0.80	215	65	45		3.8		1.20	0.90	
STS2302A	SOT-23	Single-N	20	10	4.0	1.25		44.0				65	0.80	220	80	65		6.0		1.50	2.50	
STS2306A	SOT-23	Single-N	20	10	4.5	1.25		40.0				50	0.90	540	160	100		6.4	4.6@2.5V	1.10	2.80	V
STS2306E	SOT-23	Single-N	20	10	6.5	1.25		30.0				40	0.90	540	160	100		6.4		1.10	2.80	V
STS2300S	SOT-23	Single-N	20	12	6.0	1.25		35.0				45	0.80	803	120	85		8.8		1.80	3.90	
STS3414	SOT-23	Single-N	30	12	4.0	1.25	50.0	60.0				75	0.90	440	62	37	9.3	4.6		1.00	1.40	
STS3426	SOT-23	Single N	30	12	4.2	1.25	31.0	40.0				52.0	0.80	406	73	58	7.1	5.2		1.20	3.00	
STS3400	SOT-23	Single-N	30	20	3.5	1.25	50.0	70.0					1.70	600	125	95		6.8		3.10	1.95	



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							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
							STS3404	SOT-23	Single-N	30	20	4.0					1.25	54.0	76.0			
STS3402	SOT-23	Single-N	30	20	4.6	1.25	30.0	42.0					1.50	782	135	93	15.8			2.00	3.00	
STS4300	SOT-23	Single-N	40	20	3.5	1.25	62.0	80.0					1.60	320	55	32	6.0			0.80	1.50	
STS6308	SOT-23	Single-N	60	20	3.0	1.25	83.0	107.0					1.80	950	52	40	15.0	7.0		1.80	3.50	
STS8216	SOT-26	Dual-N	20	10	6.0	1.25			20.0			27	0.80	470	164	142			10.0	2.10	4.50	V
STS2622A	SOT-26	Dual-N	20	12	3.4	1.25		60.0				90	0.78	230	55	35		4.5		0.90	1.90	
STS8205	SOT-26	Dual N	20	12	5.0	1.25		27.5	28.5	30 (@3.7V)	33.0	38.0	0.90	485	155	135		8.6		1.50	4.20	V
STS8215	SOT-26	Dual N	20	12	5.5	1.25		24.5	25.5	27.5 (@3.7V)	30.5	36.5	0.90	485	155	135		8.6		1.50	4.20	V
STS8201	SOT-26	Dual N	20	12	6.0	1.25		20.0	21.0	21.5 (@3.7V)	24.5	29.5	0.90	463	156	142		9.1		1.40	4.50	V
STS8816	TSOT-26	Dual-N	20	12	7.0	1.25		17.5				27.5	0.75	298	148	72		9.4		1.40	4.90	V
STS8235	SOT-26	Dual-N	30	10	4.5	1.25		36.0				46	0.70	440	80	56		6.7		1.50	2.20	V
STS3623	SOT26	Dual-N	30	20	4.0	1.25	50.0	65.0					1.60	280	70	38	5.9			0.70	1.40	
STS4622	SOT26	Dual-N	40	20	3.0	1.25	65.0	85.0					1.80	330	50	28	6.7			0.90	1.60	
STC2200	SOT-323	Single-N	20	10	2.3	1.00		85.0				110	0.80	210	75	46		4.2		0.88	1.53	
STP60L60	TO-220	Single-N	60	20	50.0	105.00	25.0	42.0					2.00	1830	182	120	28.0			4.50	9.00	
STP60L60A	TO-220	Single N	60	20	65.0	125.00	19.0						2.80	2300	142	108	28.0			5.00	11.00	
STP80L60	TO-220	Single-N	60	20	80.0	130.00	12.0	16.0					2.00	4300	370	235	57.5	26.0		7.20	17.50	
STP70L60	TO-220	Single N	60	20	80.0	125.00	12.5						2.70	3600	235	185	47.0			8.00	17.00	
STF620S	TO-220F	Single-N	60	20	12.0	21.00	75.0	105.0					2.00	982	57	46	16.0	7.6		2.20	4.00	
STP656F	TO-220F	Single N	60	20	22.0	21.00	19.0	29.0					1.80	2180	196	132	34.0	17.0		4.00	9.00	
STP652F	TO-220F	Single N	60	20	29.0	46.00	28.0	39.0					2.20	1800	133	102	28.0	14.0		3.50	7.00	
STP60L60F	TO-220F	Single N	60	20	32.0	30.00	19.0						2.80	2300	142	108	28.0			5.00	9.60	
STP15L01F	TO-220F	Single N	100	20	15.0	25.00	138.0	163.0					1.70	675	48	32	12.4	6.4		1.70	3.50	
STP45L01F	TO-220F	Single-N	100	20	40.0	62.50	25.0						2.90	3200	241	176	40.0			8.00	10.20	
STD1955NL	TO-251	Single-N	55	20	10.0	50.00	55.0	80.0					1.90	635	75	50	12.8	7.1		2.60	3.80	
STD12L01A	TO-251	Single N	100	20	12.0	45.00	140.0	170.0					1.80	700	48	31	11.50	6.00		1.50	3.30	
STD12L01	TO-251	Single N	100	20	12.0	50.00	160.0						2.80	520	47	29	7.80			1.90	2.90	
STU3055L	TO-252	Single-N	25	16	12.0	50.00	60.0	85.0					1.10	240	97	68	5.9	3.2		0.80	1.30	
STU5025NL2	TO-252	Single-N	25	20	50.0	42.00	9.5	15.0					1.80	570	225	145	12.5	6.5		1.50	3.50	
STU330S	TO-252	Single-N	30	20	20.0	21.00	28.0	38.0					1.90	478	100	65	8.1	4.0		1.30	2.20	
STU9916L	TO-252	Single-N	30	20	25.0	42.00	25.0	35.0					1.50	570	93	74	11.0	5.5		1.20	3.40	
STU3030NLS	TO-252	Single-N	30	20	30.0	50.00	18.0	25.0					1.70	830	180	120	17.0	9.0		1.80	5.00	



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							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STU320S	TO-252	Single-N	30	20	30.0	32.00	20.0	29.0					1.80	430	140	88	8.0	4.0		0.90	2.50	V
STU302S	TO-252	Single-N	30	20	50.0	50.00	9.0	12.0					1.70	1020	325	225	26.0	13.0		2.30	8.20	
STU6025NL2	TO-252	Single-N	30	20	60.0	42.00	6.5	9.5					1.70	1080	385	240	23.5	12.5		2.00	7.00	
STU6025NL	TO-252	Single-N	30	20	60.0	50.00	7.0	10.0					1.60	3270	590	420	59.6	28.3		8.50	12.60	
STU2240NL	TO-252	Single-N	40	20	10.0	50.00	35.0	60.0					1.80	840	85	70	18.7	8.9		3.90	3.10	
STU412S	TO-252	Single-N	40	20	22.0	25.00	26.0	40.0					1.80	470	91	53	7.6	4.0		1.40	2.20	V
STU420S	TO-252	Single-N	40	20	24.0	50.00	24.0	30.0					1.90	750	110	65	15.0	7.0		2.50	4.00	V
STU442S	TO-252	Single-N	40	20	25.0	42.00	27.0	48.0					2.00	810	81	66	14.5	6.3		2.10	4.30	
STU410S	TO-252	Single-N	40	20	30.0	50.00	20.0	30.0					1.90	690	140	95	13.5	6.7		1.65	3.85	V
STU456A	TO-252	Single-N	40	20	30.0	42.00	23.0	36.0					1.90	540	87	70	11.5	6.0		1.50	3.80	
STU456S	TO-252	Single-N	40	20	30.0	42.00	24.0	36.0					1.70	705	79	61	11.5	5.5		1.50	3.20	
STU448S	TO-252	Single-N	40	20	30.0	42.00	26.0	69.0					2.50	790	79	60	11.5	3.1		2.20	3.50	
STU446S	TO-252	Single N	40	20	38.0	42.00	16.5	28.0					2.00	755	121	102	16.5	8.7		2.10	5.00	
STU432L	TO-252	Single N	40	20	42.0	42.00	10.0	15.0					1.50	1290	175	152	25.0	12.2		2.10	8.00	
STU438A	TO-252	Single-N	40	20	47.0	42.00	9.0	11.0					1.60	1460	245	175	25.0	12.5		2.50	7.00	
STU458S	TO-252	Single N	40	20	48.0	42.00	8.0	11.0					1.90	1360	240	200	31.0	15.5		2.80	10.00	
STU432S	TO-252	Single-N	40	20	50.0	42.00	9.0	11.0					1.60	1130	240	145	23.5	11.5		2.70	3.20	
STU438S	TO-252	Single N	40	20	50.0	42.00	9.0	11.0					1.70	1380	250	155	26.0	12.0		2.50	6.60	
STU434S	TO-252	Single-N	40	20	50.0	42.00	9.2	11.5					1.70	1160	211	135	20.0	10.0		2.10	5.00	
STU452S	TO-252	Single-N	40	20	50.0	42.00	10.0	13.0					1.60	1370	220	162	26.0	12.5		3.00	6.80	
STU428S	TO-252	Single-N	40	20	50.0	50.00	10.0	13.0					1.70	1505	220	150	28.0	12.5		3.00	6.00	V
STU426S	TO-252	Single-N	40	20	53.0	50.00	10.0	12.0					1.60	1600	280	150	32.0	15.0		3.50	7.30	
STU1955NL	TO-252	Single-N	55	20	10.0	50.00	55.0	80.0					1.90	635	75	50	12.8	7.1		2.60	3.80	
STU610S	TO-252	Single-N	60	20	9.5	42.00	240.0						3.00	348	34.5	17	4.7			1.30	1.30	
STU608S	TO-252	Single-N	60	20	16.0	50.00	55.0	65.0					1.60	620	71	45	13.0	6.4		1.40	3.20	V
STU600S	TO-252	Single-N	60	20	16.0	50.00	55.0	70.0					1.80	670	72	45	14.2	7.0		1.70	3.80	
STU616S	TO-252	Single-N	60	20	16.0	60.00	77.0	99.0					1.80	780	58.5	46.5	13.5	6.7		1.88	3.71	V
STU622S	TO-252	Single N	60	20	17.0	42.00	74.0	96.0					1.90	810	53	40	13.0	6.4		1.80	3.50	
STU606S	TO-252	Single-N	60	20	18.0	36.00	60.0	75.0					1.80	825	72	48	13.5	6.3		1.60	3.40	
STU618S	TO-252	Single-N	60	20	21.0	60.00	56.0	70.0					2.00	1070	66	54	18.5	9.1		2.60	4.70	V
STU602S	TO-252	Single-N	60	20	22.0	50.00	30.0	38.0					1.80	1230	125	80	24.5	12.0		2.80	6.00	
STU624S	TO-252	Single N	60	20	35.0	42.00	17.5	30.0					2.40	2260	142	115	32.0			4.50	10.00	



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N Channel Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STU650S	TO-252	Single-N	65	20	16.0	42.00	75.0	97.0				1.80	825	53	40	13.0	6.5		1.70	3.50		
STU816S	TO-252	Single N	80	20	20.0	42.00	46.0	68.0				2.00	1580	108	89	25.0	12.5		2.80	8.10		
STU800S	TO-252	Single-N	80	20	24.0	50.00	42.0	60.0				1.60	2340	94	85	34.0			4.60	11.00		
STU802S	TO-252	Single-N	80	20	25.0	62.50	35.0	50.0				3(MAX)	3270	210	145	50.0			6.00	16.00		
STU10L01	TO-252	Single N	100	20	10.0	50.00	213.0					1.80	310	35	20	5.5			1.00	2.00		
STU12L01	TO-252	Single-N	100	20	12.0	50.00	140.0	245.0				1.80	480	47	27	7.8			1.30	2.90		
STU15L01	TO-252	Single N	100	20	14.7	50.00	145.0	195.0				1.60	480	47	29	7.8			1.30	2.90		
STU20L01	TO-252	Single-N	100	20	20.0	42.00	54.0	63.0				1.80	3500	162	122	48.0	22.0		6.00	12.50		
STU20L01A	TO-252	Single N	100	20	20.0	50.00	61.0	75.0				1.80	1460	88	75	26.0	13.0		2.60	9.30		
STU30L01	TO-252	Single-N	100	20	30.0	50.00	37.0					2.80	3350	163	99	45.0			8.00	14.00		
STU30L01A	TO-252	Single-N	100	20	30.0	50.00	37.0					3.00	2160	166	105	30.0			6.50	12.00		
STU35L01A	TO-252	Single-N	100	20	35.0	50.00	25.0					2.90	3300	243	160	44.0			8.50	16.00		
STU35L01HA	TO-252	Single N	100	20	35.0	60.00	25.0					2.70	3160	215	178	57.0			8.50	22.00		
STU35L01	TO-252	Single N	100	20	35.0	60.00	31.0					2.80	2600	203	123	36.0			6.30	14.00		
STU402D	TO-252-4L	Dual-N	40	20	16.0	11.00	30.0	40.0				1.80	770	103	65	17.0	8.7		1.90	4.50		
STB438A	TO-263	Single-N	40	20	60.0	62.50	8.1	11.0				1.80	1540	248	180	26.5	12.5		2.80	7.80		
STB438S	TO-263	Single-N	40	20	60.0	70.00	9.0	10.0				1.60	1360	248.5	143	26.0	12.5		2.80	6.00		
STB432S	TO-263	Single-N	40	20	60.0	62.50	9.0	11.0				1.70	1600	280	150	32.0	15.0		3.50	7.30		
STB434S	TO-263	Single-N	40	20	60.0	62.50	9.2	11.5				1.70	1160	211	135	20.0	10.0		2.10	5.00		
STB440S	TO-263	Single-N	40	20	65.0	62.50	8.0	11.5				2.00	1380	233	215	33.5	17.0		3.20	12.00		
STB8444	TO-263	Single-N	40	20	80.0	62.00	4.8					2.80	6500	940	500	110.0			20.00	26.00		
STF8220	DFN	Dual-N	20	12	7.0	1.56		20.0			28	0.80	670	188	140	10.0			1.40	4.20	V	
STF8209	TDFN 2x3-6L	Dual N	20	12	6.5	1.56	22.0	23.0	24 (@3.7V)	27.5	33.5	0.95	320	106	92			7.20	1.40	4.00	V	
STF8211	TDFN 2x3-6L	Dual N	20	12	8.0	1.56		13.5			18.0	0.70	705	235	218			13.40	2.00	6.00	V	
STF2454	TDFN 2x3-6L	Dual-N	24	12	8.0	1.56	14.0				20	0.80	380	180	67			13.0	2.00	6.90	V	
STF8810	TDFN 2x3-6L	Dual N	20	12	8.0	1.56	16.0	17.0	18.2 (@3.7V)	21.0	27.5	0.90	307	144	69			9.00	1.80	5.40	V	
STF8209A	TDFN 2x5-6L	Dual N	20	12	6.5	1.67	22.0	23.0	24 (@3.7V)	27.5	33.5	0.95	320	106	92			7.20	1.40	4.00	V	
STF2454A	TDFN 2x5-6L	Dual-N	24	12	8.6	1.67	14.0				20	0.80	380	180	67			13.0	2.00	6.90	V	
STF2458A	TDFN 2x5-6L	Dual N	24	12	10.0	1.67	10.0	10.5	11 (@3.7V)	12.0	15.5	0.80	320	274	34			17.60	2.50	9.60	V	
STA4470	PDIP-8	Single-N	40	20	11.0	2.50	12.0	16.0				2.00	1720	230	145	25.0	12.0		2.50	5.50		
STA6610	PDIP-8	Dual-N	30	20	7.6	3.00	23.0	35.0				1.80	620	190	115	13.0	6.8		1.50	3.50	V	
STA6620	PDIP-8	Dual-N	40	20	7.0	3.00	25.0	42.0				2.00	710	110	68	13.3	6.7		2.00	3.70	V	



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N Channel Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STA6968	PDIP-8	Dual-N	60	20	5.3	3.00	60.0	70.0					1.70	685	85	50	12.7	6.9		1.80	3.60	V
STG8205	TSSOP8	Dual-N	20	10	6.0	1.50		26				35	0.80	410	135	114		8.8		1.40	4.20	
STG8209	TSSOP8	Dual-N	20	12	6.0	1.50			26.0			40	0.80	530	165	145			9.0	1.40	4.00	V
STG8810	TSSOP8	Dual N	20	12	7.0	1.50		18.5	19.5	20(@3.7V)	23.0	28.5	0.90	300	151	71		9.00		1.50	5.00	V
STG8820	TSSOP8	Dual-N	20	12	7.0	1.50		20				27	0.80	470	164	142		10.0		2.10	4.50	V
STG8211	TSSOP8	Dual-N	20	12	10.0	1.50			13.5			18	0.80	1815	406	255			19.0	3.50	6.70	V
STG2454	TSSOP8	Dual-N	24	12	7.0	1.50		17.0				29	0.80	730	200	180		12.5		2.00	5.00	V
SP8009	PDFN	Single N	30	20	24.0	1.67	7.2	11 (@ 6V)					1.50	1670	382	333	31.00			2.50	10.00	
SP8076	PDFN	Single N	33	20	27.0	1.67	4.6	6.9					1.70	2000	600	550	46.00			9.50	13.00	



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P Channel Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STM6375	SOP8	Single-P	-20	10	-8.0	2.50		20.0				28	-0.80	1932	550	115	30.0	7.0		6.50	5.80	
STM9435	SOP8	Single-P	-30	20	-4.8	2.50	55.0	85.0					-1.50	582	125	86	11.7	5.7		2.10	2.90	
STM4433A	SOP8	Single-P	-30	20	-6.0	2.50	35.0	55.0					-1.90	920	270	170	17.5	9.4		2.90	4.80	
STM4633	SOP8	Single-P	-30	20	-7.0	2.50	33.0	52.0					-1.70	811	215	125	15.0	7.4		1.65	4.20	V
STM4637	SOP8	Single-P	-30	20	-7.7	2.50	30.0	48.0					-1.80	1120	280	175	22.0	10.5		2.50	6.50	V
STM4639	SOP8	Single-P	-30	20	-14.0	2.50	8.5	13.0					-1.70	4049	641	351	95.0	40.0		6.00	23.00	V
STM4435	SOP8	Single-P	-30	25	-8.0	2.50	20.0	33.0					-1.80	1470	375	250	30.0	15.0		3.40	9.20	
STM4437A	SOP8	Single-P	-30	25	-10.0	2.50	15.0	26.0					-1.90	2530	635	445	44.6	22.0		7.70	11.50	
STM4439A	SOP8	Single-P	-30	25	-14.0	2.50	10.0	18.0					-1.90	3625	980	705	65.5	32.6		10.90	17.50	
STM4605	SOP8	Single-P	-40	20	-6.0	2.50	39.0	58.0					-1.70	970	120	100	20.0	10.0		1.90	5.20	
STM4635	SOP8	Single-P	-40	20	-7.0	2.50	33.0	50.0					-1.60	935	192	105	17.0	8.0		1.40	4.60	V
STM4615	SOP8	Single-P	-40	20	-12.5	2.50	10.5	16.0					-1.70	3500	480	420	85.0	42.0		8.00	22.00	V
STM6967	SOP8	Single-P	-60	20	-4.0	2.50	86.0	125.0					-2.40	1110	79	56	24.0	11.5		2.90	6.20	V
STM4952	SOP8	Dual-P	-20	12	-5.2	2.00		50.0			80		-0.85	994	181	106		9.5		1.70	1.80	
STM4953	SOP8	Dual-P	-30	20	-4.5	2.00	55.0	85.0					-1.50	550	129	89	12.7	8.1		2.40	2.50	
STM4973	SOP8	Dual-P	-30	20	-6.0	2.00	35.0	50.0					-1.70	1130	210	130	21.0	10.5		3.40	4.00	
STT6603	SOT-223	Single-P	-60	20	-2.5	2.08	180.0	240.0					-2.00	780	65	40	13.5	6.8		1.80	2.60	
STS2309A	SOT-23	Single-P	-20	10	-2.3	1.25		130.0			190		-0.80	290	60	45		3.2		0.70	0.80	
STS2301A	SOT-23	Single-P	-20	10	-2.6	1.25		120.0			160		-0.80	330	75	60		4.2		0.40	1.50	
STS2305A	SOT-23	Single-P	-20	10	-3.3	1.25		70.0			100		-0.80	380	196	175		7.0		0.60	3.50	
STS2307	SOT-23	Single-P	-20	12	-3.0	1.25		80.0			100		-0.80	586	101	59		5.9		1.36	1.40	
STS2301	SOT-23	Single-P	-20	12	-3.4	1.25		60.0			80		-0.85	926	183	141		11.9		1.96	3.49	
STS3409	SOT-23	Single P	-30	20	-2.2	1.25	169.0	293.0					-1.80	150	51	29	3.1	1.6		0.30	0.88	
STS3401	SOT-23	Single-P	-30	20	-3.0	1.25	75.0	100.0					-1.50	653	130	97	13.5	7.0		2.30	2.80	
STS3405	SOT-23	Single-P	-30	20	-3.0	1.25	100.0	150.0					-1.80	435	90	60	7.8			0.58	2.20	
STS3401A	SOT-23	Single P	-30	20	-3.2	1.25	79.0	127.0					-1.60	345	85	69	8.6	4.5		0.55	2.50	
STS4501	SOT-23	Single-P	-40	20	-3.5	1.25	65.0	85.0					-1.60	660	100	60	13.0	6.5		1.40	3.80	
STS2601	SOT-26	Single-P	-20	12	-4.0	2.00		80.0			110		-0.80	586	101	59		5.9		1.36	1.40	
STS6601	SOT-26	Single-P	-60	20	-3.2	2.00	110.0	160.0					-2.00	745	69	42	13.5	6.5		1.50	3.20	
STS2621	SOT-26	Dual-P	-20	10	-2.0	1.00		130.0			190		-0.80	295	63	52		3.5		0.90	1.10	
STC2201	SOT-323	Single-P	-20	10	-2.0	1.00		145.0			195		-0.80	216	55	28		2.9		0.50	1.10	
STP423S	TO-220	Single-P	-40	20	-65.0	75.00	9.5	12.5					-1.80	4210	650	380	94.0	48.0		9.50	25.20	



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P Channel Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STU2030PLS	TO-252	Single-P	-30	20	-20.0	50.00	32.0	55.0					-1.70	950	250	170	18.5			1.60	5.80	
STU1530PL	TO-252	Single-P	-30	20	-20.0	50.00	45.0	60.0					-1.50	809	174	101	18.8	9.5		3.90	3.20	
STU303S	TO-252	Single-P	-30	20	-24.0	50.00	28.0	40.0					-1.80	1130	270	170	22.0	10.6		2.70	6.40	V
STU307S	TO-252	Single-P	-30	20	-53.0	42.00	9.5	14.0					-1.80	3100	850	400	75.0	35.0		8.00	22.00	V
STU421S	TO-252	Single-P	-40	20	-10.0	50.00	45.0	60.0					-1.70	900	135	85	17.0	8.0		1.80	5.00	
STU413S	TO-252	Single-P	-40	20	-19.0	32.00	48.0	78.0					-1.80	895	138	67	14.5	7.0		2.10	3.40	V
STU449S	TO-252	Single-P	-40	20	-24.0	42.00	41.0	74.0					-2.50	900	115	90	20.0	9.5		2.50	5.50	
STU441S	TO-252	Single-P	-40	20	-27.0	42.00	35.0	61.0					-1.90	1025	127	110	22.5	10.5		2.10	6.50	
STU417L	TO-252	Single P	-40	20	-34.0	42.00	16.0	26.0					-1.90	1840	280	173	34.0	16.0		4.00	9.40	
STU435S	TO-252	Single P	-40	20	-38.0	42.00	17.5	27.0					-1.70	1950	229	186	42.0	20.0		3.40	11.00	
STU417S	TO-252	Single-P	-40	20	-43.0	42.00	14.0 (typ)	23.0 (typ)					-1.80	2620	360	265	65.0	31.0		6.50	19.00	
STU419S	TO-252	Single-P	-40	20	-50.0	70.00	11.5	16.0					-1.50	3550	710	420	87.0	42.0		9.00	20.00	V
STU419A	TO-252	Single-P	-40	20	-60.0	42.00	11.0	16.0					-1.80	3480	480	420	88.0	43.0		8.00	25.00	V
STU1855PL	TO-252	Single-P	-55	20	-15.0	42.00	68.0	85.0					-1.80	830	110	65	16.7	8.1		1.90	4.10	
STU2455PLS	TO-252	Single-P	-55	20	-24.0	50.00	42.0	55.0					-1.70	1730	185	125	31.0	13.5		3.50	7.00	
STU601S	TO-252	Single P	-60	20	-15.0	42.00	95.0	125					-2.30	1107	76	56	23.0	10.6		2.90	5.90	V
STU17L01	TO-252	Single-P	-100	20	-17.0	42.00	81.0	94.0					-1.80	4100	237	90	96.0	43.0		12.00	20.00	



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Complementary Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STM8309	SOP8	Complementary	30	20	7.0	2.00	23.0	30.0					1.90	680	190	115	11.0	5.5		1.70	3.30	V
			-30	20	-6.0	2.00	35.0	52.0					-1.90	870	225	125	15.0	7.5		1.70	4.50	
STM8319	SOP8	Complementary	30	20	7.0	2.00	25.0	30.0					1.70	445	120	60	8.0	4.0		1.30	1.80	V
			-30	20	-6.0	2.00	35.0	52.0					-1.60	790	215	120	15.0	7.5		1.40	4.00	
STM8401	SOP8	Complementary	30	20	7.0	2.00	25.0	40.0					1.50	848	152	104	17.6	8.5		3.70	3.20	
			-30	20	-4.5	2.00	55.0	85.0					-1.50	591	129	89	13.2	6.3		2.30	3.30	
STM8306	SOP8	Complementary	30	20	7.0	2.00	26.0	35.0					1.70	610	142	95	14.6	7.5		1.70	4.00	
			-30	20	-6.0	2.00	38.0	52.0					-1.70	850	235	150	17.1	9.3		1.50	5.50	
STM8358S	SOP8	Complementary	30	20	7.2	2.00	25.0	36.0					1.80	810	170	110	18.5	9.2		2.20	4.60	
			-30	20	-5.2	2.00	48.0	72.0					-1.70	700	175	115	13.8	7.2		1.30	4.50	
STM8320	SOP8	Complementary	30	20	7.5	2.00	23.0	35.0					1.80	420	130	78	7.9	4.3		1.20	2.50	V
			-30	20	-6.0	2.00	35.0	55.0					-1.80	860	225	135	16.8	8.5		1.70	3.50	
STM8300	SOP8	Complementary	30	20	5.3	2.00	46.0	65.0					1.60	310	73	44	5.3	2.8		0.90	1.20	
			-30	20	-4.7	2.00	56.0	90.0					-1.80	520	125	78	10.3	5.2		1.10	2.80	
STM4532	SOP8	Complementary	30	20	5.5	2.00	40.0	50.0					0.80(min)	510	155	127		9.3		2.50	3.20	
			-30	20	-4.5	2.00	55.0	85.0					-1.50	393	116	45	15.6	7.3		2.40	3.30	
STM9930A	SOP8	Complementary	30	20	6.0	2.00	35.0	54.0					1.50	550	130	60	13.0	6.6		1.40	3.80	
			-30	20	-5.3	2.00	53.0	75.0					-1.50	650	170	100	13.0	6.6		1.20	4.30	
STM8330	SOP8	Complementary	30	20	6.0	2.00	35.0	55.0					1.80	440	77	53	7.0	3.4		1.20	1.70	V
			-30	20	-4.2	2.00	76.0	138.0					-2.00	428	95	75	9.5	4.8		1.00	3.00	
STM8324	SOP8	Complementary	30	20	6.5	2.00	31.0	42.0					1.90	505	100	60	8.8	4.3		1.70	2.20	V
			-30	20	-6.0	2.00	35.0	53.0					-1.80	825	220	130	16.0	8.0		1.70	4.50	
STM8405	SOP8	Complementary	30	22	7.0	2.0	25.0	40.0					1.50	765	145	96	14.1	6.2		2.20	4.10	
			-30	22	-5.0	2.0	50.0	70.0					-1.50	721	154	92	13.8	7.3		1.50	4.30	
STM8457	SOP8	Complementary	40	20	6.0	2.00	26.0	33.0					1.80	750	125	75	12.5	6.4		1.80	3.60	V
			-40	20	-5.0	2.00	42.0	62.0					-1.80	960	142	75	15.6	7.7		2.30	4.30	
STM8455	SOP8	Complementary	40	20	6.0	2.00	29.0	40.0					1.80	890	115	65	17.0	8.5		2.20	4.30	
			-40	20	-5.0	2.00	42.0	62.0					-1.80	900	140	85	17.6	8.8		1.80	5.00	
STM8456	SOP8	Complementary	40	20	6.2	2.00	33.0	45.0					1.50	580	82	50	11.3	5.8		1.20	2.90	
			-40	20	-5.3	2.00	45.0	70.0					-1.70	980	135	90	20.7	11.0		1.50	6.20	
STM8458	SOP8	Complementary	40	20	6.3	2.00	32.0	42.0					1.50	580	82	50	11.3	5.8		1.20	2.90	V
			-40	20	-5.1	2.00	48.0	68.0					-1.80	960	142	75	15.6	7.7		2.30	4.30	
STM8360T	SOP8	Complementary	40	20	6.6	2.00	29.0	45.0					1.50	780	60	50	14.0	6.9		1.80	3.90	
			-40	20	-5.5	2.00	42.0	65.0					-1.70	980	135	90	20.7	11.0		1.50	6.20	
STM8362	SOP8	Complementary	40	20	6.6	2.00	29.0	45.0					1.80	755	81	67	15.0	7.4		1.90	4.10	
			-40	20	-5.8	2.00	38.0	60.0					-2.00	1000	123	107	22.0	10.7		2.10	6.00	



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Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max						Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)			Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STM8500A	SOP8	Complementary	55	20	4.6	2.00	56.0	75.0					1.90	510	67	40	11.9	6.1		1.80	2.80	
			-55	20	-3.5	2.00	105.0	145.0					-1.90	830	75	45	15.5	7.1		2.40	3.20	
STM8501	SOP8	Complementary	55	20	5.0	2.00	50.0	70.0					1.70	930	85	50	20.0	9.5		2.90	4.50	
			-55	20	-3.5	2.00	80.0	100.0					-1.70	900	85	58	18.5	9.1		1.80	4.50	
STM8601	SOP8	Complementary	60	20	4.5	2.00	58.0	75.0					1.90	852	72	45	14.0	6.7		1.75	2.90	
			-60	20	-3.4	2.00	105.0	150.0					-1.80	730	68	43	14.0	6.7		1.50	3.30	
STM102D	SOP-8	Complementary	100	20	2.0	2.00	216.0	328.0					1.70	305	36	23	5.5	3.2		0.95	1.70	
			-100	20	-1.3	2.00	547.0	614.0					-1.80	840	47	29	15.0	7.0		1.50	2.90	
STS2620A	SOT-26	Complementary	20	10	2.5	1.00		50.0				76.0	0.70	248	83	67		5.6		1.20	2.50	
			-20	10	-2.0	1.00		106.0				198.0	-0.90	235	88	54		3.8		0.40	1.80	
STS2620	SOT-26	Complementary	20	10	2.8	1.00		53.0				78.0	0.80	232	82	66		5.6		1.20	2.40	
			-20	10	-2.0	1.00		103.0				190.0	-0.90	172	82	37		3.4		0.40	1.60	
STS6604L	SOT-26	Complementary	20	12	4.0	1.25		60.0				75	0.74	224	84	67		5.0		0.85	2.40	
			-20	12	-2.5	1.25		138.0				190	-0.70	290	40	65		2.9		0.28	1.00	
STS3621	SOT26	Complementary	30	20	3.0	1.25	50.0	65.0					1.70	330	70	45	6.0	3.0		1.00	1.50	
			-30	20	-2.0	1.25	90.0	135.0					-1.80	360	84	52	7.0	3.4		0.90	2.20	
STU313D	TO-252-4L	Complementary	30	20	16.0	10.00	24.0	35.0					2.00	440	130	70	8.3	4.3		1.40	2.10	V
			-30	20	-15.0	10.00	33.0	52.0					-1.70	815	225	130	16.0	7.8		1.60	4.80	
STU314D	TO-252-4L	Complementary	30	20	16.0	10.40	28.0	40.0					1.90	505	105	65	8.8	4.3		1.50	2.30	V
			-30	20	-14.0	10.40	34.0	55.0					-1.80	815	215	125	15.5	7.3		1.70	4.70	
STU309DH	TO-252-4L	Complementary	30	20	18.0	11.00	22.0	34.0					1.80	640	180	110	13.0	6.8		1.50	3.50	V
			-30	20	-14.0	11.00	34.0	54.0					-1.90	850	220	130	16.0	8.0		1.60	4.70	
STU309D	TO-252-4L	Complementary	30	20	18.0	11.00	23.0	35.0					1.80	640	180	110	13.0	6.8		1.50	3.50	V
			-30	20	-14.0	11.00	35.0	55.0					-1.90	850	220	130	16.0	8.0		1.60	4.70	
STU310DH	TO-252-4L	Complementary	30	20	19.0	11.00	20.0	28.0					1.80	635	170	97	12.0	6.0		1.80	3.50	V
			-30	20	-15.0	11.00	30.0	44.0					-1.80	1120	280	190	22.0	10.5		2.50	6.50	
STU312D	TO-252-4L	Complementary	30	24	18.0	11.00	24.0	36.0					1.80	640	180	110	13.0	6.8		1.50	3.50	V
			-30	24	-14.0	11.00	34.0	54.0					-1.70	800	215	120	15.0	7.0		1.30	5.00	
STU405DH	TO-252-4L	Complementary	40	20	11.0	11.00	33.0	45.0					1.50	580	82	50	11.3	5.8		1.20	2.90	
			-40	20	-9.0	11.00	45.0	65.0					-1.70	980	135	90	20.7	11.0		1.50	6.20	
STU408D	TO-252-4L	Complementary	40	20	14.0	10.50	27.0	41.0					1.80	785	80	68	15.0	7.2		1.70	4.50	
			-40	20	-12.0	10.50	37.0	60.0					-1.80	863	142	92	16.8	8.1		1.80	4.80	
STU411D	TO-252-4L	Complementary	40	20	15.0	11.00	32.0	42.0					1.80	623	95	56	9.5	4.5		1.60	2.30	V
			-40	20	-12.0	11.00	48.0	68.0					-1.60	895	138	67	14.5	7.0		2.10	3.40	
STU407DH	TO-252-4L	Complementary	40	20	16.0	11.00	29.0	39.0					1.80	735	120	70	15.0	7.2		2.00	3.80	V
			-40	20	-12.0	11.00	47.0	64.0					-1.60	920	135	75	15.0	7.2		2.00	4.00	



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							10V	4.5V	4.0V	3.8V	3.1V	2.5V					10V	4.5V	4.0V			
STU404D	TO-252-4L	Complementary	40	20	16.0	11.00	30.0	40.0					1.80	885	105	65	17.0	8.6		2.20	4.80	
			-40	20	-12.0	11.00	48.0	65.0					-1.60	980	135	90	20.7	11.0		1.50	6.20	
STU407D	TO-252-4L	Complementary	40	20	16.0	11.00	30.0	40.0					1.80	735	120	70	15.0	7.2		2.00	3.80	V
			-40	20	-12.0	11.00	48.0	65.0					-1.60	920	135	75	15.0	7.2		2.00	4.00	
STU409DH	TO-252-4L	Complementary	40	20	18.0	11.00	24.0	30.0					1.80	700	120	75	14.0	7.0		1.60	3.40	V
			-40	20	-14.0	11.00	35.0	50.0					-1.80	1000	175	95	17.5	8.5		2.30	4.50	
STU612D	TO-252-4L	Complementary	60	20	8.6	10.50	76.0	90.0					1.60	850	48	40	17.0	8.3		1.70	4.70	
			-60	20	-7.3	10.50	110.0	145.0					-1.70	740	64	38	13.5	6.0		1.60	3.60	
STA6611	PDIP-8	Complementary	30	20	7.6	3.00	23.0	30.0					1.70	620	190	115	13.0	6.8		1.50	3.50	
			-30	20	-6.6	3.00	35.0	55.0					-1.90	850	205	105	15.0	7.5		1.70	4.50	
STB416D	TO-263	Complementary	40	20	18.0	15.60	28.0	43.0					1.90	700	78	60	11.5	5.7		1.30	3.20	
			-40	20	-16.0	15.60	36.0	31.0					-2.00	1050	125	101	22.5	11.1		2.00	6.20	
STB458D	TO-263	Complementary	40	20	30.0	15.60	10.5	14.0					1.90	1500	250	170	25.0	12.5		2.60	7.00	
			-40	20	-24.0	15.60	17.0	24.0					-1.60	2480	350	260	61.0	31.0		5.00	17.00	