



# 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	2.5V	1.8V					10V	4.5V			
STM4886	SOP8	Single-N	30	20	17.0	2.5	5.0	8.0		1.70	2500	640	440	58.0	28.0	5.40	17.00		
STM4884A	SOP8	Single-N	30	20	12.0	2.5	7.0	11.0		1.60	3150	680	510	65.0	30.5	11.00	13.00		
STM4410A	SOP8	Single-N	30	20	10.0	2.5	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	2.5	13.5	20.0		1.50	1290	280	180	30.6	14.5	3.00	6.80		
STM4880	SOP8	Single-N	30	20	9.6	2.5	17.0	26.0		1.80	655	176	107	10.3	5.3	1.50	2.80	V	
STM4800S	SOP8	Single-N	30	20	8.0	2.5	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	2.5	21.0	30.0		1.70	460	135	75	7.6	3.8	1.20	3.60	V	
STM8020	SOP8	Single-N	35	20	12.0	2.5	9.0	13.0		1.40	1400	255	145	24.0	11.0	2.50	5.50	V	
STM4470	SOP8	Single-N	40	20	10.0	2.5	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	2.5	10.5	13.5		1.80	1200	230	150	22.0	10.0	2.60	5.50	V	
STM4470E	SOP8	Single-N	40	20	9.5	2.5	12.0	15.0		1.70	1500	220	150	28.0	12.5	3.00	6.00	V	
STM4472	SOP8	Single-N	40	20	7.0	3	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	2.5	32.0	45.0		1.90	635	95	55	11.0	5.1	1.70	3.00		
STM4550	SOP8	Singe-N	55	20	5.0	2.5	50.0	70.0		1.80	689	92	55	13.3	6.2	1.70	2.80		
STM9926	SOP8	Dual-N	20	10	6.5	2		28.0@4V	38	0.90	540	160	100		6.4@4V	1.10	2.80	V	
STM6610	SOP8	Dual-N	30	20	8.5	2	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	19.0	28.0		1.80	770	160	95	14.6	7.9	2.20	3.50		
STM6913A	SOP8	Dual-N	30	20	6.6	2	26.0	32.0		1.70	520	142	90	11.5	5.8	1.30	3.10		
STM6914	SOP8	Dual-N	30	20	6.5	2	32.0	52.0		1.90	513	91	73	9.2	4.7	1.30	2.70		
STM6912	SOP8	Dual-N	30	20	6.0	2	32.0	57.0		1.70	576	111	82	12.5	6.3	2.00	2.80		
STM6928	SOP8	Dual-N	40	20	9.5	2	14.0	16.0		1.60	1410	250	150	26.0	13.0	2.60	5.80		
STM6926	SOP8	Dual-N	40	20	8.5	2	16.0	18.0		1.70	1500	220	145	28.0	12.0	3.00	6.00	V	
STM6920	SOP8	Dual-N	40	25	7.0	2	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	26.0	33.0		1.80	696	123	74	13.3	7.0	2.20	3.90	V	
STM6924	SOP8	Dual-N	40	20	6.8	2	28.0	46.0		1.80	825	80	64	13.0	6.5	2.00	3.60		
STM6920A	SOP8	Dual-N	40	20	5.0	2	35.0	62.0		1.80	759	92	70	15.9	7.6	2.20	4.80		
STM6930A	SOP8	Dual-N	55	20	4.8	2	50.0	75.0		1.80	700	82	50	17.3	8.1	1.80	4.20		
STM6962	SOP8	Dual-N	60	20	6.5	2	36.0	42.0		1.80	1200	135	80	25.0	13.0	2.60	7.00		
STM6968	SOP8	Dual-N	60	20	5.0	2	60.0	70.0		1.70	685	85	50	12.7	6.9	1.80	3.60	V	
STM6960	SOP8	Dual-N	60	20	5.0	2	60.0	75.0		1.80	700	80	50	15.0	7.5	1.60	4.30		
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		



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							10V	4.5V	2.5V	1.8V					10V	4.5V			
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	
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	
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	
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	
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	
STS3404	SOT-23	Single-N	30	20	3.0	1.25	65.0	110.0			1.50	310	73	38	6.2		0.90	1.80	
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	
STS8216	SOT26	Dual-N	20	10	6.0	1.25		20.0@4V	27		0.80	470	164	142		10@4V	2.10	4.50	V
STS8816	SOT26	Dual-N	20	12	6.0	1.25		21.0	24		0.85	815	215	180		11.5	2.40	5.00	V
STS8201	SOT26	Dual-N	20	10	5.0	1.25		26.0@4V	35		0.80	720	195	147		12@4V	2.30	5.50	V
STS8205	SOT26	Dual-N	20	10	5.0	1.25		27.5@4V	38		0.90	540	126	105		14.8@4V	1.80	3.80	V
STS8215	SOT26	Dual-N	20	10	5.0	1.25		27.5@4V	38		0.90	540	160	100		6.4@4V	1.10	2.80	V
STS8235	SOT26	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	
STP60L60A	TO-220	Single-N	60	20	50.0	76.00	20.0	30.0			2.00	2190	218	144	33.0		5.40	10.80	
STP60L60	TO-220	Single-N	60	20	36.0	70.00	27.0	42.0			2.00	1830	182	120	28.0		4.50	9.00	
STD1955NL	TO-251	Single-N	55	20	10.0	50	55.0	80.0			1.90	635	75	50	12.8	7.1	2.60	3.80	
STU6025NL2	TO-252	Single-N	25	20	65.0	42	6.0	9.0			1.70	1080	385	240	23.5	12.5	2.00	7.00	
STU5025NL2	TO-252	Single-N	25	20	50.0	42	9.5	15.0			1.80	570	225	145	12.5	6.5	1.50	3.50	
STU3055L	TO-252	Single-N	25	16	12.0	50	60.0	85.0			1.10	240	97	68	5.9	3.2	0.80	1.30	
STU6025NL	TO-252	Single-N	30	20	60.0	50	7.0	10.0			1.60	3270	590	420	59.6	28.3	8.50	12.60	
STU302S	TO-252	Single-N	30	20	50.0	50	9.0	12.0			1.70	1020	325	225	26.0	13.0	2.30	8.20	
STU3030NLS	TO-252	Single-N	30	20	30.0	50	18.0	25.0			1.70	830	180	120	17.0	9.0	1.80	5.00	



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							10V	4.5V	2.5V	1.8V					10V	4.5V			
STU320S	TO-252	Single-N	30	20	30.0	32	20.0	29.0			1.80	430	140	88	8.0	4.0	0.90	2.50	V
STU330S	TO-252	Single-N	30	20	20.0	21	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	50	30.0	40.0			1.00	813	127	98	18.7	9.3	3.90	3.20	
STU434S	TO-252	Single-N	40	20	50.0	42	9.2	11.5			1.70	1160	211	135	20.0	10.0	2.10	5.00	
STU432S	TO-252	Single-N	40	20	50.0	42	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	9.0	11.0			1.70	1380	250	155	26.0	12.0	2.50	6.60	
STU426S	TO-252	Single-N	40	20	53.0	50	10.0	12.0			1.60	1600	280	150	32.0	15.0	3.50	7.30	
STU428S	TO-252	Single-N	40	20	50.0	50	10.0	13.0			1.70	1505	220	150	28.0	12.5	3.00	6.00	V
STU446S	TO-252	Single-N	40	20	38.0	42	16.5	23.0			1.90	755	121	102	16.5	8.7	2.10	5.00	
STU410S	TO-252	Single-N	40	20	30.0	50	20.0	30.0			1.90	690	140	95	13.5	6.7	1.65	3.85	V
STU420S	TO-252	Single-N	40	20	24.0	50	24.0	30.0			1.90	750	110	65	15.0	7.0	2.50	4.00	V
STU412S	TO-252	Single-N	40	20	22.0	25	26.0	40.0			1.80	470	91	53	7.6	4.0	1.40	2.20	V
STU442S	TO-252	Single-N	40	20	25.0	42	27.0	48.0			2.00	810	81	66	14.5	6.3	2.10	4.30	
STU2240NL	TO-252	Single-N	40	20	10.0	50	35.0	60.0			1.80	840	85	70	18.7	8.9	3.90	3.10	
STU1955NL	TO-252	Single-N	55	20	10.0	50	55.0	80.0			1.90	635	75	50	12.8	7.1	2.60	3.80	
STU602S	TO-252	Single-N	60	20	22.0	50	30.0	38.0			1.80	1230	125	80	24.5	12.0	2.80	6.00	
STU608S	TO-252	Single-N	60	20	16.0	50	55.0	65.0			1.60	620	71	45	13.0	6.4	1.40	3.20	V
STU606S	TO-252	Single-N	60	20	18.0	36	55.0	68.0			1.80	825	72	48	13.5	6.3	1.60	3.40	
STU600S	TO-252	Single-N	60	20	16.0	50	55.0	70.0			1.80	670	72	45	14.2	7.0	1.70	3.80	
STU402D	TO-252-4L	Dual-N	40	20	16.0	11	30.0	40.0			1.80	770	103	65	17.0	8.7	1.90	4.50	
STB8444	TO-263	Single-N	40	20	80.0	62	4.8				2.80	6500	940	500	110.0		20.00	26.00	
STB440S	TO-263	Single-N	40	20	65.0	62.5	8.0	11.5			2.00	1380	233	215	33.5	17.0	3.20	12.00	
STB432S	TO-263	Single-N	40	20	60.0	62.5	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	
STF8220	DFN	Dual-N	20	12	7.0	2		20.0@4V	28		0.80	670	188	140	10.0		1.40	4.20	V
STA4470	PDIP-8	Single-N	40	20	11.0	2.5	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	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	25.0	42.0			2.00	710	110	68	13.3	6.7	2.00	3.70	V
STA6968	PDIP-8	Dual-N	60	20	5.3	3	60.0	70.0			1.70	685	85	50	12.7	6.9	1.80	3.60	V
STG8211	TSSOP8	Dual-N	20	12	10.0	1.5		13.5@4V	18		0.80	1815	406	255		19@4V	3.50	6.70	V
STG8810	TSSOP8	Dual-N	20	12	7.0	1.5		20.0	28		0.85	815	215	180		11.5	2.40	5.00	V



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							10V	4.5V	2.5V	1.8V					10V	4.5V			
STG8820	TSSOP8	Dual-N	20	12	7.0	1.5		20	27		0.80	470	164	142		10.0	2.10	4.50	V
STG8209	TSSOP8	Dual-N	20	12	6.0	1.5		26@4V	40		0.80	530	165	145		9@4V	1.40	4.00	V
STG8205	TSSOP8	Dual-N	20	10	6.0	1.5		26	35		0.80	410	135	114		8.8	1.40	4.20	



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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	2.5V	1.8V					10V	4.5V			
STM6375	SOP8	Single-P	-20	10	-8	2.5		20.0	28		-0.80	1932	550	115	30.0	7.0	6.50	5.80	
STM4639	SOP8	Single-P	-30	20	-14.0	2.5	8.5	13.0			-1.70	4049	641	351	95.0	40.0	6.00	23.00	V
STM4439A	SOP8	Single-P	-30	25	-14	2.5	10.0	18.0			-1.90	3625	980	705	65.5	32.6	10.90	17.50	
STM4437A	SOP8	Single-P	-30	25	-10.0	2.5	15.0	26.0			-1.90	2530	635	445	44.6	22.0	7.70	11.50	
STM4435	SOP8	Single-P	-30	25	-8.0	2.5	20.0	33.0			-1.80	1470	375	250	30.0	15.0	3.40	9.20	
STM4637	SOP8	Single-P	-30	20	-7.7	2.5	30.0	48.0			-1.80	1120	280	175	22.0	10.5	2.50	6.50	V
STM4633	SOP8	Single-P	-30	20	-7.0	2.5	33.0	52.0			-1.70	811	215	125	15.0	7.4	1.65	4.20	V
STM4433A	SOP8	Single-P	-30	20	-6	2.5	35.0	55.0			-1.90	920	270	170	17.5	9.4	2.90	4.80	
STM9435	SOP8	Single-P	-30	20	-4.8	2.5	55.0	85.0			-1.50	582	125	86	11.7	5.7	2.10	2.90	
STM4952	SOP8	Dual-P	-20	12	-5.2	2		50.0	80		-0.85	994	181	106		9.5	1.70	1.80	
STM4973	SOP8	Dual-P	-30	20	-6	2	35.0	50.0			-1.70	1130	210	130	21.0	10.5	3.40	4.00	
STM4953	SOP8	Dual-P	-30	20	-4.5	2	55.0	85.0			-1.50	550	129	89	12.7	8.1	2.40	2.50	
STM4635	SOP8	Single-P	-40	20	-7	2.5	33.0	50.0			-1.6	935	192	105	17.0	8.0	1.40	4.60	V
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	
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	
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	
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	
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	
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		80.0	110		-0.80	586	101	59		5.9	1.36	1.40	
STS6601	SOT-26	Single-P	-60	20	-3.2	2	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		130.0	190		-0.80	295	63	52		3.5	0.90	1.10	
STC2201	SOT-323	Single-P	-20	10	-2.0	1		145.0	195		-0.80	216	55	28		2.9	0.50	1.10	
STP423S	TO-220	Single-P	-40	20	-65.0	75	9.5	12.5			-1.80	4210	650	380	94.0	48.0	9.50	25.20	
STU303S	TO-252	Single-P	-30	20	-24.0	50	28.0	40.0			-1.80	1130	270	170	22.0	10.6	2.70	6.40	V
STU2030PLS	TO-252	Single-P	-30	20	-20.0	50	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	45.0	60.0			-1.50	809	174	101	18.8	9.5	3.90	3.20	
STU419S	TO-252	Single-P	-40	20	-50.0	70	11.5	16.0			-1.50	3550	710	420	87.0	42.0	9.00	20.00	V
STU421S	TO-252	Single-P	-40	20	-10.0	50	45.0	60.0			-1.70	900	135	85	17.0	8.0	1.80	5.00	



# Samhop Selection Guide - Mosfet Product

## 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	2.5V	1.8V					10V	4.5V			
STU413S	TO-252	Single-P	-40	20	-19.0	32	48.0	78.0			-1.80	895	138	67	14.5	7.0	2.10	3.40	V
STU2455PLS	TO-252	Single-P	-55	20	-24.0	50	42.0	55.0			-1.70	1730	185	125	31.0	13.5	3.50	7.00	
STU1855PL	TO-252	Single-P	-55	20	-15.0	42	68.0	85.0			-1.80	830	110	65	16.7	8.1	1.90	4.10	



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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	2.5V	1.8V					10V	4.5V			
STM8309	SOP8	Complementary	30	20	7.0	2	23.0	30.0			1.90	680	190	115	11.0	5.5	1.70	3.30	V
			-30	20	-6.0	2	35.0	52.0			-1.90	870	225	125	15.0	7.5	1.70	4.50	
STM8320	SOP8	Complementary	30	20	7.5	2	23.0	35.0			1.80	420	130	78	7.9	4.3	1.20	2.50	V
			-30	20	-6.0	2	35.0	55.0			-1.80	860	225	135	16.8	8.5	1.70	3.50	
STM8319	SOP8	Complementary	30	20	7.0	2	25.0	30.0			1.70	445	120	60	8.0	4.0	1.30	1.80	V
			-30	20	-6.0	2	35.0	52.0			-1.6	790	215	120	15.0	7.5	1.40	4.00	
STM8358S	SOP8	Complementary	30	20	7.2	2	25.0	36.0			1.80	810	170	110	18.5	9.2	2.20	4.60	
			-30	20	-5.2	2	48.0	72.0			-1.70	700	175	115	13.8	7.2	1.30	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	
STM8401	SOP8	Complementary	30	20	7.0	2	25.0	40.0			1.50	848	152	104	17.6	8.5	3.70	3.20	
			-30	20	-4.5	2	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	26.0	35.0			1.70	610	142	95	14.6	7.5	1.70	4.00	
			-30	20	-6	2	38.0	52.0			-1.70	850	235	150	17.1	9.3	1.50	5.50	
STM8324	SOP8	Complementary	30	20	6.5	2	31.0	42.0			1.90	505	100	60	8.8	4.3	1.70	2.20	V
			-30	20	-6.0	2	35.0	53.0			-1.80	825	220	130	16.0	8.0	1.70	4.50	
STM9930A	SOP8	Complementary	30	20	6.0	2	35.0	54.0			1.50	550	130	60	13.0	6.6	1.40	3.80	
			-30	20	-5.3	2	53.0	75.0			-1.50	650	170	100	13.0	6.6	1.20	4.30	
STM4532	SOP8	Complementary	30	20	5.5	2	40.0	50.0			0.80(min)	510	155	127		9.3	2.50	3.20	
			-30	20	-4.5	2	55.0	85.0			-1.50	393	116	45	15.6	7.3	2.40	3.30	
STM8300	SOP8	Complementary	30	20	5.3	2	46.0	65.0			1.60	310	73	44	5.3	2.8	0.90	1.20	
			-30	20	-4.7	2	56.0	90.0			-1.80	520	125	78	10.3	5.2	1.10	2.80	
STM8457	SOP8	Complementary	40	20	6.0	2	26.0	33.0			1.80	750	125	75	12.5	6.4	1.80	3.60	V
			-40	20	-5.0	2	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	29.0	40.0			1.80	890	115	65	17.0	8.5	2.20	4.30	
			-40	20	-5.0	2	42.0	62.0			-1.80	900	140	85	17.6	8.8	1.80	5.00	
STM8458	SOP8	Complementary	40	20	6.3	2	32.0	42.0			1.50	580	82	50	11.3	5.8	1.20	2.90	V
			-40	20	-5.1	2	48.0	68.0			-1.80	960	142	75	15.6	7.7	2.30	4.30	
STM8456	SOP8	Complementary	40	20	6.2	2	33.0	45.0			1.50	580	82	50	11.3	5.8	1.20	2.90	
			-40	20	-5.3	2	45.0	70.0			-1.70	980	135	90	20.7	11.0	1.50	6.20	
STM8360T	SOP8	Complementary	40	20	6.6	2	29.0	45.0			1.50	780	60	50	14.0	6.9	1.80	3.90	
			-40	20	-5.5	2	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	29.0	45.0			1.80	755	81	67	15.0	7.4	1.90	4.10	
			-40	20	-5.8	2	38.0	60.0			-2.00	1000	123	107	22.0	10.7	2.10	6.00	



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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	2.5V	1.8V					10V	4.5V			
STM8501	SOP8	Complementary	55	20	5.0	2	50.0	70.0			1.70	930	85	50	20.0	9.5	2.90	4.50	
			-55	20	-3.5	2	80.0	100.0			-1.70	900	85	58	18.5	9.1	1.80	4.50	
STM8500A	SOP8	Complementary	55	20	4.6	2	56.0	75.0			1.90	510	67	40	11.9	6.1	1.80	2.80	
			-55	20	-3.5	2	105.0	145.0			-1.9	830	75	45	15.5	7.1	2.40	3.20	
STM8601	SOP8	Complementary	60	20	4.5	2.0	58.0	75.0			1.90	852	72	45	14.0	6.7	1.75	2.90	
			-60	20	-3.4	2.0	105.0	150.0			-1.80	730	68	43	14.0	6.7	1.50	3.30	
STS2620	SOT26	Complementary	20	10	2.5	1		80.0	110		0.80	223	68	53		3.9	1.30	0.80	
			-20	10	-2.0	1		130.0	190		-0.80	293	65	50		3.4	0.80	1.00	
STS2620A	SOT26	Complementary	20	10	2.5	1		80.0	110		0.80	223	68	53		3.9	1.30	0.80	
			-20	10	-2.0	1		130.0	190		-0.80	293	65	50		3.4	0.80	1.00	
STS3621	SOT26	Complementary	30	20	3.0	1	50.0	65.0			1.70	330	70	45	6.0	3.0	1.00	1.50	
			-30	20	-2.0	1	90.0	135.0			-1.80	360	84	52	7.0	3.4	0.90	2.20	
STU310DH	TO-252-4L	Complementary	30	20	19.0	11	20.0	28.0			1.80	635	170	97	12.0	6.0	1.80	3.50	V
			-30	20	-15.0	11	30.0	44.0			-1.80	1120	280	190	22.0	10.5	2.50	6.50	
STU309DH	TO-252-4L	Complementary	30	20	18.0	11	22.0	34.0			1.80	640	180	110	13.0	6.8	1.50	3.50	V
			-30	20	-14.0	11	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	23.0	35.0			1.80	640	180	110	13.0	6.8	1.50	3.50	V
			-30	20	-14.0	11	35.0	55.0			-1.90	850	220	130	16.0	8.0	1.60	4.70	
STU312D	TO-252-4L	Complementary	30	24	18.0	11	24.0	36.0			1.80	640	180	110	13.0	6.8	1.50	3.50	V
			30	24	-14.0	11	34.0	54.0			-1.70	800	215	120	15.0	7.0	1.30	5.00	
STU313D	TO-252-4L	Complementary	30	20	16.0	10	24.0	35.0			2.00	440	130	70	8.3	4.3	1.40	2.10	V
			-30	20	-15.0	10	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	10.4	28.0	40.0			1.90	505	105	65	8.8	4.3	1.50	2.30	V
			-30	20	-14.0	10.4	34.0	55.0			-1.80	815	215	125	15.5	7.3	1.70	4.70	
STU409DH	TO-252-4L	Complementary	40	20	18.0	11	24.0	30.0			1.80	700	120	75	14.0	7.0	1.60	3.40	V
			-40	20	-14.0	11	35.0	50.0			-1.80	1000	175	95	17.5	8.5	2.30	4.50	
STU408D	TO-252-4L	Complementary	40	20	14.0	10.5	27.0	41.0			1.80	785	80	68	15.0	7.2	1.70	4.50	
			-40	20	-12.0	10.5	37.0	60.0			-1.80	863	142	92	16.8	8.1	1.80	4.80	
STU407DH	TO-252-4L	Complementary	40	20	16.0	11	29.0	39.0			1.80	735	120	70	15.0	7.2	2.00	3.80	V
			-40	20	-12.0	11	47.0	64.0			-1.60	920	135	75	15.0	7.2	2.00	4.00	
STU404D	TO-252-4L	Complementary	40	20	16.0	11	30.0	40.0			1.80	885	105	65	17.0	8.6	2.20	4.80	
			-40	20	-12.0	11	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	30.0	40.0			1.80	735	120	70	15.0	7.2	2.00	3.80	V
			-40	20	-12.0	11	48.0	65.0			-1.60	920	135	75	15.0	7.2	2.00	4.00	



# Samhop Selection Guide - Mosfet Product

## 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	2.5V	1.8V					10V	4.5V			
STU411D	TO-252-4L	Complementary	40	20	15.0	11	32.0	42.0			1.80	623	95	56	9.5	4.5	1.60	2.30	V
			-40	20	-12.0	11	48.0	68.0			-1.60	895	138	67	14.5	7.0	2.10	3.40	
STU405DH	TO-252-4L	Complementary	40	20	11.0	11	33.0	45.0			1.50	580	82	50	11.3	5.8	1.20	2.90	
			-40	20	-9.0	11	45.0	65.0			-1.70	980	135	90	20.7	11.0	1.50	6.20	
STU612D	TO-252-4L	Complementary	60	20	8.6	10.5	76.0	90.0			1.60	850	48	40	17.0	8.3	1.70	4.70	
			-60	20	-7.3	10.5	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	23.0	30.0			1.70	620	190	115	13.0	6.8	1.50	3.50	
			-30	20	-6.6	3	35.0	55.0			-1.90	850	205	105	15.0	7.5	1.70	4.50	

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