

# SILICONIX MOSFET Transistors

RoHS Compliant This product is RoHS compliant.

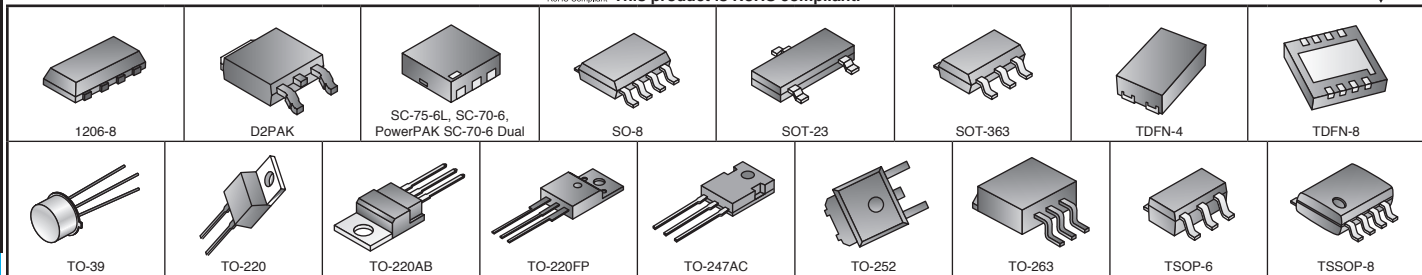
MOSFETS

Vishay Siliconix

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## N AND P-CHANNEL TRENCHFET® LOAD SWITCH WITH LEVEL SHIFT (DUAL CONFIGURATION)

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	V <sub>DS</sub> (Max)(V)	I <sub>D</sub> (Max)(A)	I <sub>DM</sub> (Max)(A)	R <sub>DS(on)</sub> Max (Ω) @			P <sub>D</sub> (Max)(W)	Price Each			
						V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V	V <sub>GS</sub> =2.5V		1	100	500	1000
◆ 781-SIP32413DNP-GE4	SIP32413DNP-T1-GE4	TDFN-8	1.1 to 5.5	2.4	3	-----	0.062	-----	0.655	.92	.63	.46	.36
◆ 781-SIP32414DNP-GE4	SIP32414DNP-T1-GE4	TDFN-8	1.1 to 5.5	2.4	3	-----	0.062	-----	0.655	.92	.63	.46	.36
◆ 781-SIP32411DNP-GE4	SIP32411DNP-T1-GE4	TDFN-4	1.1 to 5.5	2.4	3	-----	0.062	-----	0.324	.61	.432	.336	.33
◆ 781-SIP32411DR-GE3	SIP32411DR-T1-GE3	SC-70-6	1.1 to 5.5	1.8	2.2	-----	0.101	-----	0.23	.92	.63	.46	.36
◆ 781-SIP32431DNP3-GE4	SIP32431DNP3-T1GE4	TDFN-4	1.1 to 5.5	1.4	3	-----	0.105	-----	0.324	.84	.57	.41	.33
◆ 781-SIP32431DR3-GE3	SIP32431DR3-T1GE3	SC-70-6	1.1 to 5.5	1.2	3	-----	0.147	-----	0.25	.46	.32	.25	.224
◆ 781-SI3861BDV-T1-E3	SI3861BDV-T1-E3	TSOP-6	4.5 to 20	±2.3	±4.0	0.075	0.12	0.145	0.83	.82	.55	.40	.32

## N-CHANNEL MOSFETS (SINGLE CONFIGURATION)

For quantities greater than listed, call for quote.

◆ 781-SI2302CDS-T1-GE3	SI2302CDS-T1-GE3	SOT-23	20	2.4	10	-----	0.060	0.115	0.7	.48	.257	.178	.132
◆ 781-SI3442BDV-E3	SI3442BDV-T1-E3	TSOP-6	20	4.2	20	-----	0.057	0.090	1.67	.65	.39	.29	.20
◆ 781-SI2304BDS-T1-E3	SI2304BDS-T1-E3	SOT-23	30	3.2	10	0.070	0.105	-----	0.75	.58	.27	.163	.161
◆ 781-SUD40N04-10A-E3	SUD40N04-10A-E3	TO-252	40	40	100	0.010	0.014	-----	71	3.07	2.08	1.72	1.36
◆ 781-2N7002-T1-E3	2N7002-T1-E3	SOT-23	60	0.115	0.8	7.500	7.5 @ 5V	-----	0.2	.20	.17	.128	.108
◆ 781-2N7002E-T1-E3	2N7002E-T1-E3	SOT-23	60	0.24	0.13	3.000	4.000	-----	0.35	.20	.17	.128	.108
◆ 781-SUP60N06-12P-E3	SUP60N06-12P-E3	TO-220AB	60	60	80	0.012	-----	-----	3.25	3.30	2.32	1.98	1.32
◆ 781-2N6660-E3	2N6660-E3	TO-39	60	1.1	3.0	1.300	-----	-----	6.25	40.01	24.35	22.40	22.00
◆ 781-SI2328DS-E3	SI2328DS-T1-E3	SOT-23	100	1.5	6.0	0.250	-----	-----	0.73	.68	.46	.34	.271
◆ 781-SI3430DV-E3	SI3430DV-T1-E3	TSOP-6	100	2.4	8.0	0.170	0.185 @ 6V	-----	1.14	1.00	.71	.55	.43
◆ 781-SI4102DY-E3	SI4102DY-GE3	SO-8	100	6.9	30	0.034	0.040 @ 6V	-----	1.8	1.64	1.16	.90	.71
◆ 781-SI4102DY-GE3	SI4102DY-GE3	SO-8	100	7.9	40	0.025	0.028 @ 6V	-----	1.8	1.73	1.22	.95	.75
◆ 781-SI7430DP-T1-E3	SI7430DP-T1-E3	SO-8	150	2.6	50	0.045	0.047 @ 5V	-----	64	4.32	3.16	2.52	2.16
◆ 781-TN2404K-T1-E3	TN2404K-T1-E3	SOT-23	240	0.2	0.8	4.000	4.000	6.000	0.36	1.01	.69	.50	.40
◆ 781-SIH16N50C-E3	SIH16N50C-E3	TO-220	500	16	40	0.38	-----	-----	38	6.96	5.63	4.56	3.65
◆ 781-SIH16N50C-E3	SIH16N50C-E3	TO-263	500	16	40	0.38	-----	-----	38	6.96	5.63	4.56	3.65
◆ 781-SIHP12N50C-E3	SIHP12N50C-E3	TO-220AB	500	12	28	0.555	-----	-----	208	8.40	6.07	4.13	3.51
◆ 781-SIHG20N50C-E3	SIHG20N50C-E3	TO-247	560	20	80	-----	-----	-----	292	3.05	2.23	1.80	1.52
◆ 781-SIHP18N50C-E3	SIHP18N50C-E3	TO-220AB	560	18	72	-----	-----	-----	223	2.85	2.07	1.61	1.33
◆ 781-SIHG47N60S-E3	SIHG47N60S-E3	TO247AC	600	47	140	0.07	-----	-----	417	8.43	6.93	5.81	5.06
◆ 781-SIH12N60E-E3	SIH12N60E-E3	TO-220FP	600	12	27	0.32	-----	-----	147	2.80	2.00	1.55	1.28
◆ 781-SIHP12N60E-E3	SIHP12N60E-E3	TO-220AB	600	12	27	0.38	-----	-----	147	2.61	1.95	1.52	1.26
◆ 781-SIHP15N60E-E3	SIHP15N60E-E3	TO-220AB	600	15	39	0.23	-----	-----	180	2.97	2.17	1.75	1.48
◆ 781-SIH15N60E-E3	SIH15N60E-E3	TO-220	600	15	39	0.28	-----	-----	180	3.11	2.27	1.84	1.55
◆ 781-SIHP22N60E-E3	SIHP22N60E-E3	TO-220AB	600	21	56	0.15	-----	-----	227	4.06	2.97	2.40	2.03
◆ 781-SIH22N60E-E3	SIH22N60E-E3	TO-220FP	600	21	56	0.15	-----	-----	227	4.06	2.97	2.40	2.03
◆ 781-SIHG22N60E-E3	SIHG22N60E-E3	TO247AC	600	21	56	0.15	-----	-----	227	4.48	3.28	2.65	2.24
◆ 781-SIH22N60E-GE3	SIH22N60E-GE3	D2PAK	600	21	56	0.15	-----	-----	227	4.20	3.07	2.49	2.10
◆ 781-SIHP30N60E-E3	SIHP30N60E-E3	TO-220AB	600	29	65	0.104	-----	-----	250	6.02	4.40	3.56	3.01
◆ 781-SIH30N60E-E3	SIH30N60E-E3	TO-220FB	600	29	65	0.104	-----	-----	250	6.16	4.51	3.65	3.08
◆ 781-SIHG30N60E-GE3	SIHG30N60E-GE3	TO-247AC	600	29	65	0.104	-----	-----	250	7.13	5.20	4.03	3.33
◆ 781-SIH30N60E-GE3	SIH30N60E-GE3	D2PAK	600	29	65	0.104	-----	-----	250	6.05	4.42	3.58	3.02
◆ 781-SIHG47N60E-E3	SIHG47N60E-E3	TO-247AC	600	47	145	0.053	-----	-----	357	9.75	7.21	6.04	5.26
◆ 781-SIHP24N65E-E3	SIHP24N65E-E3	TO-220AB	650	24	70	0.12	-----	-----	250	5.74	4.20	3.40	2.87
◆ 781-SIH24N65E-E3	SIH24N65E-E3	D2PAK	650	24	70	0.12	-----	-----	250	6.02	4.40	3.56	3.01
◆ 781-SIH22N60S-E3	SIH22N60S-E3	TO-263	650	22	65	-----	-----	-----	250	2.80	2.25	2.14	2.07
◆ 781-SIH22N60S-E3	SIH22N60S-E3	TO-220 FullPAK	650	22	65	-----	-----	-----	250	2.80	2.25	2.14	2.07
◆ 781-SIHG22N60S-E3	SIHG22N60S-E3	TO-247	650	22	65	-----	-----	-----	250	4.01	2.93	2.37	2.00
◆ 781-SIHP22N60S-E3	SIHP22N60S-E3	TO-220AB	650	22	65	-----	-----	-----	250	3.64	2.66	2.15	1.81

## N-CHANNEL MOSFETS (DUAL CONFIGURATION)

For quantities greater than listed, call for quote.

◆ 781-SI6925ADQ-E3	SI6925ADQ-T1-E3	TSSOP-8	20	3.9	30	-----	0.045	0.065	1.13	1.55	1.04	.864	.684
◆ 781-SI6954ADQ-E3	SI6954ADQ-T1-E3	TSSOP-8	30	3.4	20	0.053	0.075	-----	0.83	.79	.54	.39	.31
◆ 781-SI6928DQ-E3	SI6928DQ-T1-E3	TSSOP-8	30	±4.0	±20	0.035	0.050	-----	1.0	1.89	1.32	1.02	.86
◆ 781-SI9936BDY-T1-E3	SI9936BDY-T1-E3	SO-8	30	6.0/4.8	40	0.035	0.052	-----	2.0	.97	.79	.745	.58

## N-CHANNEL D SERIES POWER MOSFETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	V <sub>DS</sub> (Max)(V)	I <sub>D</sub> (Max)(A)	I <sub>DM</sub> (Max)(A)	R <sub>DS(on)</sub> Max		P <sub>D</sub> (Max)	Price Each			
						(Ω)	@ V <sub>GS</sub> (V)		1	100	500	1000
78-SIHG25N40D-GE3	SIHG25N40D-GE3	TO-247 AC	400	25	78	0.17	10	278	3.76	2.51	2.10	1.99
78-SIHP25N40D-GE3	SIHP25N40D-GE3	TO-220	400	25	78	0.17	10	278	3.09	2.07	1.73	1.65
78-SIHU3N50D-GE3	SIHU3N50D-GE3	TO-251	500	3	5.5	3.2	10	104	.76	.54	.42	.39
◆ 78-SIHD3N50D-GE3	SIHD3N50D-GE3	TO-252	500	3	5.5	3.2	10	104	.79	.55	.44	.41
◆ 78-SIHD5N50D-GE3	SIHD5N50D-GE3	TO-252	500	5.3	10	1.5	10	104	1.06	.74	.59	.55
◆ 78-SIHP5N50D-GE3	SIHP5N50D-GE3	TO-220	500	5.3	10	1.5	10	104	1.16	.81	.65	.60
◆ 78-SIHU5N50D-GE3	SIHU5N50D-GE3	TO-251	500	5.3	10	1.5	10	104	1.05	.73	.58	.54
◆ 78-SIHF5N50D-E3	SIHF5N50D-E3	TO-220	500	5.3	10	1.5	10	30	1.75	1.22	.95	.72
◆ 78-SIHP8N50D-GE3	SIHP8N50D-GE3	TO-220	500	8.7	18	0.85	10	156	1.48	1.04	.82	.76
◆ 78-SIHF8N50D-E3	SIHF8N50D-E3	TO-220	500	8.7	18	0.85	10	33	2.13	1.49	1.15	.88
◆ 78-IRFP460BPBF	IRFP460BPBF	TO-247 AC	500	20	62	0.25	10	0.278	4.02	2.69	2.25	2.14
◆ 78-SIHG460B-GE3	SIHG460B-GE3	TO-247 AC	500	20	62	0.25	10	0.278	4.02	2.69	2.25	2.14
◆ 78-SIHG17N60D-GE3	SIHG17N60D-GE3	TO-247 AC	600	17	48	0.34	10	277.8	3.99	2.66	2.23	2.12

## N-CHANNEL E SERIES POWER MOSFETS

For quantities greater than listed, call for quote.

◆ 78-SIH30N60E-GE3	SIH30N60E-GE3	TO-263	600	29	65	0.125	10	250	6.05	4.42	3.58	3.02
◆ 78-SIHG73N60E-GE3	SIHG73N60E-GE3	TO-247AC	650	73	236	0.039	10	520	11.36	9.70	8.72	8.38
◆ 78-SIH12N60E-GE3	SIH12N60E-GE3	D2PAK-3	600	12	27	0.38	10	147	1.59	1.17	1.08	1.04
◆ 78-SIH24N65E-GE3	SIH24N65E-GE3	TO-263	650	24	70	0.145	10	250	5.91	4.32	3.50	2.95