

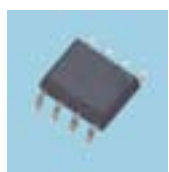
Power MOSFETs - continued

SuperSOT-6 and SuperSOT-8 - continued

V <sub>DS</sub> V	N/P Channel	R <sub>DS(on)</sub> Ω	I <sub>D cont</sub> @25°C A	V <sub>GS(th)</sub> max. V	P <sub>D</sub> @ 25°C W	Mfrs. List No.
<b>SuperSOT-8, Dual Package</b>						
20	PP	0.095	2.7	2.7	0.8	NDH8304P
20	PP	0.05	3.2	1.5	0.8	FDR8308P
30	PP	0.052	3	3	0.8	FDR8508P
V <sub>IN</sub> , V	V <sub>ON/OFF</sub> , V	R <sub>DS(ON)</sub> Ω	I <sub>LOAD</sub> A	I <sub>LOAD, pulsed</sub> A	V <sub>drop</sub> @ V <sub>in</sub> =12V V	P <sub>D</sub> @25°C W
3	20	1.5-8	0.08	2.3	10	0.7

Mfrs. List No.	Order Code	1+	10+	100+	250+	+
FDC5612	984-5445	61.00	44.00	36.00	26.00	--
FDC604P	984-6417	40.00	32.00	24.00	16.00	--
FDC6305N	984-4805	45.00	33.00	27.00	20.00	--
FDC6306P	984-4929	27.00	21.00	16.00	10.00	--
FDC6321C	984-4848	40.00	32.00	24.00	16.00	--
FDC6327C	984-4856	57.00	46.00	34.00	23.00	--
FDC6330L	984-4864	53.00	43.00	32.00	27.00	--
FDC636P	984-6425	27.00	20.00	15.00	10.00	--
FDC645N	984-5453	50.00	40.00	31.00	22.00	--
FDC645N	984-5453	50.00	40.00	31.00	22.00	--
FDC6506P	984-4937	37.00	35.00	28.00	26.00	--
FDC655AN	984-5461	33.00	25.00	21.00	16.00	--
FDC6561AN	984-4813	44.00	32.00	26.00	19.00	--
FDC658P	984-6441	33.00	31.00	25.00	23.00	--
FDR838P	984-6468	76.00	57.00	47.00	38.00	--
FDR8308P	984-4945	73.00	68.00	54.00	46.00	--
FDR8508P	984-4953	50.00	41.00	32.00	25.00	--
FDR858P	984-6476	181.00	144.00	114.00	79.00	--
NDC632P	984-6450	45.00	40.00	31.00	26.00	--
NDC7001C	984-4872	27.00	22.00	19.00	14.00	--
NDC7002N	984-4821	38.00	30.00	23.00	15.00	--
NDH8304P	984-4961	78.00	61.00	45.00	39.00	--

SO-8, Little Foot

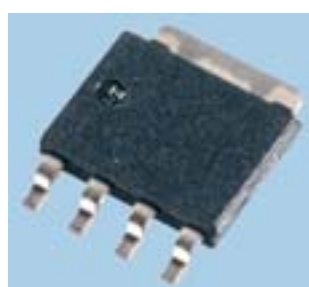


V <sub>DS</sub> V	R <sub>DS(on)</sub> Ω@ V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V	V <sub>GS</sub> =2.5V	I <sub>D</sub> A	Typ. Q <sub>g</sub> nC	Config- uration	Mfrs. List No.
<b>Single N-Channel, Low Gate Threshold Vgs=2.5V</b>							
20	-	0.009	0.013	13.2	50	Single	SI4466DY
20	-	0.0035	0.0035	17	47	Single	SI4864DY
<b>Dual N-Channel, Low Gate Threshold Vgs=2.5V</b>							
20	-	0.025	0.035	7.2	25	Dual	SI4966DY
20	-	0.02	0.03	6.2	11	Dual	SI9926BDY
<b>Single N-Channel, 20V to 100V</b>							
30	0.030	0.050	-	7	24	Single	SI9410DY
30	0.028	0.042	-	7	19.5	Single	SI4412DY
30	0.024	0.033	-	6.2	15	Single	SI9410BDY
30	0.0185	0.03	-	6.5	8.7	Single	SI4800BDY
30	0.0135	0.02	-	7.5	13	Single	SI4410BDY
30	0.01	0.0135	-	9.5	14.5	Single	SI4886DY
30	0.009	0.013	-	12.5	70	Single	SI4420DY
40	0.009	0.012	-	14	18.5	Single	SI4840DY
60	0.024	0.030	-	7.5	31	Single	SI4450DY
60	0.022	0.031	-	6	18	Single	SI4850EY
100	0.060	0.08	-	4.6	30	Single	SI4482DY
100	0.034	-	-	6.9	-	Single	SI4484EY
<b>Dual N Channel, 30V to 100V</b>							
20	-	0.200	-	3.5	-	Dual	SI9956DY
30	0.036	0.053	-	4.4	13	Dual	SI4936ADY
30	0.035	0.052	-	4.5	8.6	Dual	SI9936BDY
30	0.025	0.035	-	6.9	30	Dual	SI4920DY
30	0.022	0.03	-	7.5	7	Dual	SI4804BDY
60	0.055	0.075	-	4.5	19	Dual	SI4946EY
<b>Single P-Channel, Low Gate Threshold Vgs=2.5V</b>							
12	-	0.040	0.060	6.4	30	Single	SI9434DY
12	-	0.025	0.033	7.7	46	Single	SI9424DY
20	-	0.014	0.020	10	48	Single	SI4463DY
<b>Dual P-Channel, Low Gate Threshold Vgs=2.5V</b>							
20	-	0.075	0.115	3.4	10	Dual	SI9933ADY
12	-	0.035	0.056	4.8	13	Dual	SI9934BDY
20	-	0.06	0.1	3.6	6	Dual	SI9933BDY
20	-	0.033	0.050	6.2	22	Dual	SI4963DY
20	-	0.032	0.05	4.9	14	Dual	SI4963BDY
<b>Single P-Channel, -20V to -60V</b>							
20	0.050	0.090	-	5.8	27	Single	SI9430DY
20	-	0.04	-	4.5	8.8	Single	SI9433BDY
20	-	0.025	-	5.6	24	Single	SI9424BDY
30	0.042	0.07	-	4.1	16	Single	SI9435BDY
30	0.014	0.023	-	11	74	Single	SI4425DY
30	0.012	0.019	-	8.8	64	Single	SI4425BDY
30	0.0105	0.0125	-	9.7	47.2	Single	SI4427BDY
<b>Dual P-Channel, -20V to -60V</b>							
20	0.250	0.400	-	2.3	6.7	Dual	SI9953DY
30	0.032	0.045	-	6.1	32	Dual	SI4925DY

V <sub>DS</sub> V	R <sub>DS(on)</sub> Ω@ V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V	V <sub>GS</sub> =2.5V	I <sub>D</sub> A	Typ. Q <sub>g</sub> nC	Config- uration	Mfrs. List No.
<b>Dual P-Channel, -20V to -60V</b>							
30	0.025	0.041	-	5.3	33	Dual	SI4925BDY
60	0.170	0.260	-	2.6	10	Dual	SI9948AEY
60	0.120	0.150	-	2.4	16	Dual	SI4948EY
60	0.12	0.15	-	2.4	14.5	Dual	SI4948BEY
<b>Dual N/P-Channel, Low Gate Threshold Vgs=2.5V</b>							
20	-	0.030	0.040	6	21	N-Channel	} SI9529DY
-12	-	0.050	0.074	-5	21	P-Channel	
20	-	0.02	0.02	9.1	11	N-Channel	} SI4500BDY
-20	-	0.1	0.048	-3.8	6	P-Channel	
20	-	0.025	0.035	7.1	25	N-Channel	} SI4562DY
-20	-	0.033	0.050	-6.2	22	P-Channel	
<b>Dual N/P-Channel, 25V to 60V</b>							
30	0.053	0.075	-	4.9	8	N-Channel	} SI4532ADY
-30	0.08	0.135	-	-3	10	P-Channel	
30	0.050	0.080	-	3.5	14	N-Channel	} SI9939DY
-30	0.100	0.160	-	3.5	14.5	P-Channel	
30	0.036	0.053	-	5.9	13	N-Channel	} SI4539ADY
-30	0.053	0.09	-	-3.7	15	P-Channel	
30	0.025	0.035	-	6.9	30	N-Channel	} SI4542DY
-30	0.032	0.045	-	-6.1	32	P-Channel	
60	0.055	0.075	-	4.5	19	N-Channel	} SI4559EY
60	0.12	0.15	-	3.1	16	P-Channel	

Mfrs. List No.	Order Code	1+	25+	100+	250+	+
SI4403BDY	815-6336	78.00	73.00	66.00	62.00	--
SI4410BDY	815-6743	50.00	47.00	43.00	40.00	--
SI4412DY	105-7875	78.00	73.00	66.00	63.00	--
SI4420DY	955-0534	132.00	124.00	113.00	107.00	--
SI4425BDY	815-6344	100.00	94.00	85.00	80.00	--
SI4425DY	955-0542	146.00	138.00	125.00	118.00	--
SI4427BDY	815-6751	116.00	109.00	99.00	94.00	--
SI4450DY	955-0550	146.00	138.00	125.00	118.00	--
SI4463DY	955-0569	145.00	136.00	124.00	117.00	--
SI4466DY	955-0577	135.00	128.00	116.00	109.00	--
SI4480EY	815-6352	111.00	104.00	94.00	89.00	--
SI4482DY	955-0585	134.00	126.00	114.00	108.00	--
SI4484EY	815-6360	132.00	124.00	113.00	107.00	--
SI4500BDY	815-6379	72.00	68.00	61.00	58.00	--
SI4532ADY	815-6387	58.00	55.00	50.00	47.00	--
SI4539ADY	815-6395	83.00	78.00	71.00	67.00	--
SI4542DY	955-0593	118.00	111.00	100.00	95.00	--
SI4559EY	105-7876	88.00	83.00	76.00	71.00	--
SI4562DY	955-0607	116.00	109.00	99.00	94.00	--
SI4800BDY	815-6409	47.00	44.00	40.00	38.00	--
SI4804BDY	815-6417	91.00	86.00	78.00	73.00	--
SI4840DY	815-6425	133.00	125.00	114.00	107.00	--
SI4850EY	815-6433	78.00	73.00	66.00	62.00	--
SI4864DY	815-6441	162.00	152.00	138.00	131.00	--
SI4886DY	815-6450	100.00	94.00	85.00	80.00	--
SI4920DY	955-0615	157.00	148.00	134.00	127.00	--
SI4925BDY	815-6468	102.00	96.00	87.00	82.00	--
SI4925DY	955-0623	132.00	124.00	113.00	107.00	--
SI4936ADY	815-6476	83.00	78.00	71.00	67.00	--
SI4946EY	955-0631	114.00	107.00	97.00	91.00	--
SI4948BEY	815-6484	91.00	86.00	78.00	73.00	--
SI4963BDY	815-6492	100.00	94.00	85.00	80.00	--
SI4963DY	955-0640	124.00	117.00	106.00	100.00	--
SI4966DY	955-0658	116.00	109.00	99.00	94.00	--
SI9410BDY	815-6549	64.00	60.00	54.00	51.00	--
SI9424BDY	815-6557	83.00	78.00	71.00	67.00	--
SI9433BDY	815-6565	66.00	62.00	57.00	54.00	--
SI9435BDY	815-6573	61.00	57.00	52.00	49.00	--
SI9926BDY	815-6581	91.00	86.00	78.00	73.00	--
SI9933BDY	815-6590	80.00	76.00	68.00	64.00	--
SI9934BDY	815-6840	91.00	86.00	78.00	73.00	--
SI9936BDY	815-6603	91.00	86.00	78.00	73.00	--
SI9948AEY	955-0755	69.00	65.00	59.00	56.00	--

LFPK, Logic Level and Ultra-Low Level



- SO-8 equivalent footprint
- Low on-state resistance
- Low threshold voltage

LF-PAK H=1.2, W=6.2, D=5

V <sub>DS</sub> V	R <sub>DS(on)</sub> max. mΩ	@ V <sub>GS</sub> V	I <sub>D cont</sub> @ 25°C A	V <sub>GS(th)</sub> min V	P <sub>tot</sub> @25°C W	Mfrs. List No.
<b>N-Channel</b>						
20	2.5	4.5	121	0.45	62.5	PH2520U.
25	2.9	4.5	113	0.45	62.5	PH2925U.
30	3.2	4.5	100	1	62.5	PH3230S..
30	3.8	5	98	1	62.5	PH3830L.
30	7.9	5	68	1	62.5	PH7030L.
30	8.2	4.5	67	1	62.5	PH8230E.

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Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.