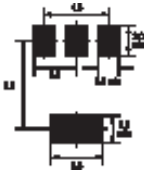


Power MOSFETs — continued

SOT-223



H = 1.7,  
W = 6.7,  
D = 7.3



Supplied on 12mm tape.

Footprint

V <sub>DS</sub> V	R <sub>DS</sub> (on) Ω	I <sub>D</sub> cont. @ 25°C A	I <sub>DM</sub> Pulsed A	P <sub>D</sub> @ 25°C W	V <sub>GS</sub> (th) max. V	Mfr.	Mfrs. List No.
<b>N-Channel</b>							
30	0.05	5.5	25.0	3.0	3.0	FCH	NDT451N
30	0.031	4.6	37.0	2.1	2.5	IR	IRLL3303
30	0.03	8.0	15.0	3.0	3.0	FCH	NDT453N
30	0.015	11.5	—	3.0	3.0	FCH	NDT455N
50	0.3	1.7	6.8	1.5	2.0	INF	BSP295
50	0.1	2.9	11.6	1.5	4.0	INF	BSP17
50	0.07	3.8	15.0	1.8	2.0	INF	BSP319
55	0.14	2.0	16.0	1.0	2.0	IR	IRLL014N
55	0.04	3.8	30.0	2.1	2.5	IR	IRLL2705
60	2.0	0.7	8.0	2.0	2.4	ZET	ZVN2106G
60	1.5	1.0	8.0	2.0	3.0	ZET	ZVN4206G
60	0.2	2.7	22.0	3.1	4.0	IR	IRFL014
60	0.2	2.7	22.0	3.1	2.0	IR	IRLL014
60	0.15	3.5	25.0	3.0	2.0	FCH	NDT3055L
60	0.14	1.5	5.0	2.0	2.0	ON	MMFT3055VL
60	0.13	1.7	6.0	2.0	4.0	ON	MMFT3055V
100	4.0	0.5	6.0	2.0	2.4	ZET	ZVN2110G
100	0.8	1.0	4.0	1.5	2.0	INF	BSP296
100	0.31	1.7	6.8	1.8	2.0	INF	BSP372
100	0.3	1.7	6.8	1.8	4.0	INF	BSP373
100	0.2	1.6	13.0	2.1	4.0	IR	IRFL4310
200	10.0	0.32	2.0	2.0	3.0	ZET	ZVN2120G
200	2.0	0.6	2.4	1.5	2.0	INF	BSP297
240	8.0	0.32	1.2	1.7	1.2	INF	BSP88
240	6.0	0.36	1.4	1.7	2.0	INF	BSP89
240	6.0	0.5	1.5	2.5	1.8	ZET	ZVN4424G
500	4.0	0.4	1.6	1.5	4.0	INF	BSP299
600	60.0	0.1	0.3	1.7	0.7	INF	BSP135
<b>P-Channel</b>							
30	0.18	3.0	20.0	3.0	3.0	FCH	NDT452P
30	0.065	5.0	15.0	3.0	2.8	FCH	NDT452AP
30	0.035	7.3	—	3.0	3.0	FCH	NDT456P
50	0.8	1.0	4.0	1.5	2.0	INF	BSP315
60	5.0	0.45	4.0	2.0	3.5	ZET	ZVP2106G
60	0.8	1.17	4.68	1.8	2.0	INF	BSP315P
60	0.5	1.8	14.0	3.1	4.0	IR	IRFL9014
60	0.3	1.2	—	0.8	4.0	ON	MMFT2955E
60	0.3	1.9	7.6	1.8	2.0	INF	BSP171P
60	0.3	2.5	15.0	3.0	4.0	FCH	NDT2955
100	1.2	1.1	8.8	3.1	4.0	IR	IRFL9110
200	25.0	0.2	1.2	2.0	3.5	ZET	ZVP2120G
200	6.0	0.37	1.4	1.8	2.0	INF	BSP317
240	11.0	0.48	1.0	2.5	2.0	ZET	ZVP4424G

● Logic level MOSFET with design optimised for 3V gate drive ◇ Depletion mode

SD171 / SD171A

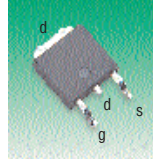
Mfrs. List No.	Order Code	Price Each				
		1+	100+	200+	500+	1K+
BSP17	.516-673					
BSP88	.743-720 †					
BSP89	.743-719					
BSP135	.743-689					
BSP171	.516-685					
BSP295	.516-697					
BSP296	.516-703					
BSP297	.516-715					
BSP299	.516-727					
BSP315	.516-739 †					
BSP315P	.333-4855					
BSP317P	.548-601					
BSP319	.548-560					
BSP372	.548-571 †					
BSP373	.743-707					
		1+	25+	100+	300+	1K+
IRFL014	.168-099					
IRFL4310	.706-504					
IRFL9014	.538-360					
IRFL9110	.538-371					
IRLL014	.538-383					
IRLL014N	.168-282					
IRLL2705	.706-516					
IRLL3303	.706-528					
NDT451N	.707-030					
NDT452AP	.932-632					
NDT452P	.707-041					
NDT453N	.707-053					
NDT455N	.707-077					
NDT456P	.707-089					
NDT2955	.707-016					
NDT3055L	.707-090					
MMFT2955E	.708-471					
MMFT3055VL	.934-161					
MMFT3055V	.934-150					

continued

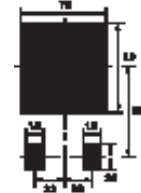
Mfrs. List No.	Order Code	Price Each			
		1+	100+	200+	500+
ZVN2106G	.291-250				
ZVN2110G	.707-946				
ZVN2120G	.302-7259				
ZVN4206G	.538-243				
ZVN4424G	.707-958				
ZVP2106G	.291-262				
ZVP2120G	.302-7260				
ZVP4424G	.707-971				

† Available until stocks are exhausted

TO-252 (D-pak)



H = 2.55, W = 6.8, D = 10.5



Footprint



V <sub>DS</sub> V	N or P Channel	R <sub>DS</sub> (on) Ω	I <sub>D</sub> cont. @ 25°C A	I <sub>DM</sub> Pulsed A	P <sub>D</sub> @ 25°C W	Mfr.	Mfrs. List No.
30	N	0.031	33.0	120.0	57	IR	IRFR3303
30	N	0.015	30.0	120.0	120	INF	SDP30N03
50	N	0.15	12.0	48.0	45	ST	STD12N05
50	N	0.08	17.0	35.0	48	INTS	RFD14N05SM
50	N	0.08	17.0	35.0	48	ST	STD17N05
50	P	0.3	8.0	20.0	48	INTS	RFD8P05SM
50	P	0.15	15.0	40.0	80	INTS	RFD15P05SM
55	N	0.1	14.0	54.0	35	INF	SDP14N05
55	N	0.07	16.0	68.0	38	IR	IRFR024N
55	N	0.04	25.0*	100.0	46	IR	IRFR4105
55	N	0.04	31.0	124.0	75	INF	SDP31N05
55	N	0.02	37.0*	150.0	69	IR	IRFR1205
60	N	0.25	8.0	—	35	ST	STD8N06
60	N	0.2	7.7	31.0	25	IR	IRFR014
60	P	0.5	5.1	20.0	25	IR	IRFR9014
60	P	0.2	12.0	42.0	60	ON	MTD2955V
60	N	0.15	12.0	—	45	ST	STD12N06
60	N	0.15	12.0	—	20	ON	MTD3055V
60	N	0.12	15.0	45.0	55	ON	MTD15N06V
60	N	0.12	12.0	48.0	35	ST	STD12NE06
60	N	0.1	14.0	56.0	42	IR	IRFR024
60	N	0.085	16.0	—	45	ST	STD16NE06
60	N	0.085	20.0	70.0	60	ON	MTD20N06V
60	N	0.045	20.0	60.0	40	ON	MTD20N06HD
60	N	0.04	20.0	—	40	ST	STD20NE06
60	N	0.027	30.0	100.0	50	FCH	FDD5690
60	P	0.45	5.0	18.0	40	ON	MTD5P06V
60	P	0.28	8.8	35.0	42	IR	IRFR9024
100	N	0.54	4.3	17.0	25	IR	IRFR110
100	N	0.4	6.0	18.0	40	ON	MTD6N10E
100	N	0.33	8.0	32.0	45	ST	STD8N10
100	N	0.27	9.0	36.0	45	ST	STD9N10
100	N	0.25	9.0	27.0	40	ON	MTD9N10E
100	N	0.21	9.1	38.0	39	IR	IRFR120N
100	N	0.16	12.0	48.0	50	ST	STD12N10
100	N	0.14	14.0	49.0	72	ON	MTD14N10E
100	N	0.11	15.0	60.0	52	IR	IRFR3910
100	P	0.66	6.0	18.0	50	ON	MTD6P10E
150	N	0.3	6.0	20.0	20	ON	MTD6N15
200	N	1.2	4.0	12.0	40	ON	MTD4N20E
200	N	0.8	4.8	19.0	42	IR	IRFR220
200	N	0.7	6.0	18.0	50	ON	MTD6N20E
250	N	1.0	5.0	15.0	50	ON	MTD5N25E
250	P	3.0	2.7	11.0	50	IR	IRFR9214
500	N	5.0	1.0	3.0	40	ON	MTD1N50E
500	N	3.6	2.0	6.0	40	ON	MTD2N50E
500	N	3.0	2.4	8.0	42	IR	IRFR420
500	N	3.0	2.7	—	50	ST	STD3NA50
600	N	8.0	1.0	3.0	40	ON	MTD1N60E
600	N	3.6	2.6	10.4	50	ST	STD2NB06
800	N	12.0	1.0	3.0	48	ON	MTD1N80E

\*Exceeds package current handling capability

SD172 / SD172A

Mfrs. List No.	Order Code	Price Each			
		1+	25+	100+	250+
FDD5690	<b>NEW</b> .354-4953				
IRFR014	.421-224				
IRFR024	.421-236 †				
IRFR024N	.706-334				
IRFR110	.421-248				
IRFR120N	.706-346				
IRFR220	.996-002				
IRFR420	.168-117				
IRFR1205	.706-474				
IRFR3303	.168-105				
IRFR3910	.706-486				
IRFR4105	.706-462				
IRFR9014	.168-129				
IRFR9024	.421-285				
IRFR9214	.168-130 †				
MTD1N50E	.236-690				
MTD1N60E	.234-4762				
MTD1N80E	.300-5057				

continued