MOSFETs

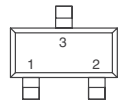
Digi-Reel® RoHS COMPLIANT

Fig.	Package	V_{DSS} (V)	I_D (A)	$R_{DS(on)}$ (Ω)	Digi-Key Part No.	Cut Tape Pricing 1	25	100	Tape and Reel‡ Qty.	Pricing	NXP Part No.
					N-Channel						
1A	SOT-23	20	5.9	0.037	568-2354-1-ND	.52	9.14	31.35	3,000	147.05/M	PMV31XN,215
	SOT-23	30	4.9	0.047	568-2355-1-ND	.53	9.30	31.90	3,000	133.83/M	PMV40UN215
	SOT-23	30	5.4	0.042	568-2356-1-ND	.52	9.14	31.35	3,000	147.05/M	PMV45EN,215
	SOT-23	30	4.7	0.055	568-2357-1-ND	.52	9.14	31.35	3,000	147.05/M	PMV60EN,215
	SOT-23	30	0.85	0.4	568-5013-1-ND	.48	7.03	22.68	3,000	81.79/M	BSH103,215
	SOT-23	40	5mA	100	568-5032-1-ND	.40	5.77	18.59	3,000	66.92/M	PMBF4393,215
	SOT-23	50	0.173	15	568-1658-1-ND	.46	6.77	21.85	3,000	78.48/M	BSN20,215
	SOT-23	55	0.335	5	568-1657-1-ND	.45	6.34	19.28	3,000	64.44/M	BSH111,215
	SOT-23	60	0.30	5	568-1369-1-ND	.34	3.66	9.75	3,000	26.44/M	2N7002,215
	SOT-23	60	0.30	5	568-1768-1-ND	.26	4.61	15.81	10,000	66.92/M	BSH112,235
	SOT-23	60	0.385	3	568-4858-1-ND	.40	4.66	12.95	3,000	38.00/M	2N7002E,215
	SOT-23	60	340mA	3.9	568-4984-1-ND	.40	4.66	12.95	3,000	38.00/M	2N7002K,215
1D	SOT-23	20	5.7	0.036	568-2353-1-ND	.41	7.15	24.54	3,000	115.66/M	PMV30UN,215
2	SOT-223	240	0.375	5	568-1769-1-ND	.58	11.23	39.65	1,000	211.48	BSP89,115
3A	SOT-143B	10	0.05	45	568-1659-1-ND	.70	13.62	48.08	3,000	232.14/M	BSS83,215
3B	SOT-143B	6	.03	—	568-1962-1-ND	.55	9.54	32.71	3,000	153.66/M	BF1212,215
	SOT-143B	6	.03	—	568-1959-1-ND	.55	9.54	32.71	3,000	153.66/M	BF1211,215
	SOT-143B	12	.03	—	568-1973-1-ND	.42	7.43	25.49	3,000	119.79/M	BF998,215
	SOT-143B	20	.02	—	568-1970-1-ND	.62	10.85	37.22	3,000	175.14/M	BF991,215
	SOT-143B	20	.03	—	568-1972-1-ND	.67	11.69	40.07	3,000	188.35/M	BF994S,215
	SOT-143B	20	.04	—	568-1971-1-ND	.62	10.85	37.22	3,000	175.14/M	BF992,215
4	SOT-143R	6	.03	—	568-1963-1-ND	.55	9.54	32.71	3,000	153.66/M	BF1212R,215
5	SOT-343R	6	.03	—	568-1961-1-ND	.44	7.73	26.50	—	—	BF1211WR,115
	SOT-343R	12	.04	—	568-1969-1-ND	.43	7.52	25.77	3,000	120.61/M	BF908WR,115
6	LFPAK	55	40	21	568-2174-1-ND	1.83	35.22	127.83	1,500	756.71/M	PH1955L,115
	LFPAK	25	100	4.1	568-2177-1-ND	2.21	42.66	154.84	1,500	916.15/M	PH2625L,115
	LFPAK	25	78.7	9.5	568-2181-1-ND	1.88	36.25	131.56	1,500	779.02/M	PH6325L,115
	LFPAK	20	100	2.7	568-2176-1-ND	2.52	48.52	176.08	1,500	1042.54/M	PH2520U,115
	LFPAK	20	100	3.7	568-2178-1-ND	1.83	37.25	133.80	—	—	PH3120L,115
	LFPAK	25	100	0.003	568-2344-1-ND	2.65	51.19	185.80	—	—	PH2925U,115
	LFPAK	30	100	0.0032	568-2345-1-ND	2.21	42.66	154.84	1,500	916.15/M	PH3230S,115
	LFPAK	30	98	0.0038	568-2346-1-ND	2.11	40.71	147.75	1,500	874.84/M	PH3830L,115
	LFPAK	30	80	0.072	568-2179-1-ND	1.76	34.01	123.44	—	—	PH4530L,115
	LFPAK	30	80	0.0057	568-2348-1-ND	2.07	39.92	144.87	—	—	PH5330E,115
	LFPAK	30	68	0.0079	568-2349-1-ND	1.73	33.46	121.44	1,500	718.71/M	PH7030L,115
	LFPAK	30	67	0.0082	568-2350-1-ND	1.21	23.48	85.21	1,500	522.10/M	PH8230E,115
	LFPAK	40	94.5	0.041	568-2180-1-ND	2.28	44.02	159.79	1,500	945.89/M	PH4840S,115
	LFPAK	60	76	.008	568-4969-1-ND	1.46	28.81	103.72	1,500	576.62/M	PSMN8R5-60YS,115
	LFPAK	60	100	.0052	568-4973-1-ND	1.83	35.30	128.12	1,500	758.36/M	PSMN5R5-60YS,115
	LFPAK	100	43	.0205	568-4975-1-ND	1.45	28.50	102.60	1,500	570.01/M	PSMN020-100YS,115
	LFPAK	60	59	.0111	568-4977-1-ND	1.19	23.42	84.31	1,500	468.40/M	PSMN012-60YS,115
	LFPAK	100	60	.012	568-4978-1-ND	1.83	35.30	128.12	1,500	758.36/M	PSMN012-100YS,115
7	D2PAK	40	75	0.08	568-2182-1-ND	2.46	47.40	172.04	—	—	PHB101NQ04T,118
	D2PAK	55	75	0.093	568-2183-1-ND	2.64	50.75	184.18	800	947.04	PHB110NQ06LT,118
	D2PAK	55	75	0.064	568-2185-1-ND	2.50	51.12	183.60	—	—	PHB146NQ06LT /T3
	D2PAK	55	75	0.044	568-2188-1-ND	3.52	71.85	258.07	800	1407.67	PHB191NQ06LT,118
	D2PAK	75	27	0.5	568-2190-1-ND	1.45	27.88	101.20	800	520.77	PHB29N08T,118
9	TO-220AB-3	60	92	.0078	568-4970-5-ND	1.36	27.52	99.07	—	—	PSMN7R6-60PS,127
	TO-220AB-3	100	100	.0068	568-4971-5-ND	2.43	50.96	177.82	—	—	PSMN7R0-100PS,127
	TO-220AB-3	100	100	.0050	568-4972-5-ND	3.21	64.36	234.55	—	—	PSMN5R6-100PS,127
	TO-220AB-3	60	100	.003	568-4974-5-ND	3.21	64.36	234.55	—	—	PSMN3R0-60PS,127
	TO-220AB-3	100	68	.0139	568-4976-5-ND	1.57	31.60	113.75	—	—	PSMN013-100PS,127
					Dual N-Channel						
8	8-TSSOP	20	10.4	0.024	568-2362-1-ND	.62	11.97	42.26	—	—	PMWD20XN,118
	8-TSSOP	20	7.8	0.03	568-2363-1-ND	.71	13.68	48.29	—	—	PMWD26UN,518
10	SOT-363	20	0.87	0.34	568-2365-1-ND	.43	7.06	23.20	3,000	98.31/M	PMGD280UN,115
	SOT-363	20	0.86	0.35	568-2366-1-ND	.43	7.06	23.20	3,000	98.31/M	PMGD290XN,115
	SOT-363	30	0.74	0.44	568-2367-1-ND	.43	7.06	23.20	3,000	98.31/M	PMGD370XN,115
	SOT-363	30	0.71	0.48	568-2368-1-ND	.43	7.06	23.20	3,000	98.31/M	PMGD400UN,115
	SOT-363	60	0.49	0.92	568-2369-1-ND	.43	7.06	23.20	3,000	98.31/M	PMGD780SN,115
	SOT-363	30	0.125	8	568-2370-1-ND	.41	7.23	24.78	3,000	102.44/M	PMGD8000LN,115
					P-Channel						
1A	SOT-23	50	0.13	10	568-1660-1-ND	.67	7.72	21.48	3,000	62.79/M	BSS84,215
	SOT-23	20	3.9	0.076	568-2358-1-ND	.35	6.12	20.99	3,000	93.35/M	PMV65XP,215
					JFET N-Channel						
1B	SOT-23	20	.025	—	568-1968-1-ND	.69	11.93	40.89	3,000	180.09/M	BF862,215
	SOT-23	25	.015	—	568-1967-1-ND	.62	10.85	37.22	3,000	175.14/M	BF861B,215
	SOT-23	25	.06	50	568-2083-1-ND	1.05	15.37	49.57	3,000	153.66/M	PMBFJ310,215
	SOT-23	30	.025	—	568-1966-1-ND	.59	10.42	35.71	3,000	167.70/M	BF545C,215
1C	SOT-23	25	.08	8	568-2078-1-ND	.90	14.71	48.33	3,000	180.09/M	PMBFJ108,215
	SOT-23	25	.04	12	568-2079-1-ND	.90	14.71	48.33	3,000	180.09/M	PMBFJ109,215
	SOT-23	25	.01	18	568-2080-1-ND	.55	10.53	37.17	3,000	180.09/M	PMBFJ110,215
1D	SOT-23	20	.007	—	568-1965-1-ND	.63	12.17	42.95	3,000	207.35/M	BF511,215
10	SOT-363	25	60	50	568-2084-1-ND	.78	15.49	55.76	3,000	289.14/M	PMBFJ620,115
					JFET P-Channel						
1C	SOT-23	30	.0015	300	568-5033-1-ND	.40	6.58	21.59	3,000	91.70/M	PMBFJ177,215
	SOT-23	30	.002	250	568-2082-1-ND	.40	6.58	21.59	3,000	91.70/M	PMBFJ176,215
	SOT-23	30	.02	85	568-2081-1-ND	.40	6.58	21.59	3,000	91.70/M	PMBFJ174,215
					Trench N-Channel						
1A	SOT-23	100	.15	6	568-4873-1-ND	.62	7.13	19.83	3,000	58.66/M	BSS123,215
6	LFPAK	25	100	0.0012	568-4909-1-ND	2.49	50.05	182.39	1,500	1245.76/M	PSMN1R2-25YL,115
	LFPAK	25	100	0.0015	568-4907-1-ND	2.16	43.68	157.25	1,500	1013.63/M	PSMN1R5-25YL,115
	LFPAK	30	100	0.0013	568-4908-1-ND	2.67	54.50	195.74	1,500	1245.76/M	PSMN1R3-30YL,115
	LFPAK	30	100	0.0017	568-4678-1-ND	2.81	54.09	196.32	1,500	1162.32/M	PSMN1R7-30YL,115
	LFPAK	30	100	0.002	568-4679-1-ND	2.11	40.71	147.75	1,500	874.84/M	PSMN2R0-30YL,115
	LFPAK	30	100	0.0024	568-4680-1-ND	1.77	34.02	123.46	1,500	731.10/M	PSMN2R5-30YL,115
	LFPAK	30	100	0.003	568-4681-1-ND	1.59	30.67	111.32	1,500	659.23/M	PSMN3R0-30YL,115
	LFPAK	30	100	0.0035	568-4682-1-ND	1.50	29.74	107.06	1,500	594.80/M	PSMN3R5-30YL,115
	LFPAK	30	100	0.004	568-4683-1-ND	1.26	24.78	89.22	1,500	495.66/M	PSMN4R0-30YL,115
	LFPAK	30	84	0.005	568-4684-1-ND	1.10	21.69	78.07	1,500	433.70/M	PSMN5R0-30YL,115
	LFPAK	30	79	0.006	568-4685-1-ND	.97	19.21	69.14	1,500	384.14/M	PSMN6R0-30YL,115
	LFPAK	30	65	0.007	568-4686-1-ND	.85	16.73	60.22	1,500	334.58/M	PSMN7R0-30YL,115
	LFPAK	30	55	0.008	568-4687-1-ND	.88	16.85	59.48	1,500	317.22/M	PSMN9R0-30YL,115
	LFPAK	40	100	0.0028	568-4906-1-ND	2.16	43.68	157.25	1,500	1013.63/M	PSMN2R6-40YS,115

‡ For Tape and Reel part number, change 1-ND to 2-ND.

(Continued)

Fig. 1



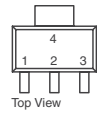
A
1. Gate
2. Source
3. Drain

B
1. Source
2. Drain
3. Gate

C
1. Drain
2. Source
3. Gate

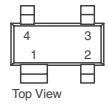
D
1. Gate
2. Drain
3. Source

Fig. 2



1. Gate
2. Drain
3. Source
4. Drain

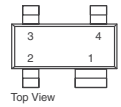
Fig. 3



A
1. Substrate (b)
2. Source
3. Drain
4. Gate

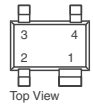
B
1. Source
2. Drain
3. Gate 2
4. Gate 1

Fig. 4



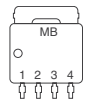
1. Source
2. Drain
3. Gate 2
4. Gate 1

Fig. 5



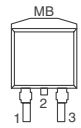
1. Source
2. Drain
3. Gate 2
4. Gate 1

Fig. 6



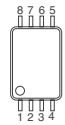
1,2,3: Source (S)
4: Gate (G)
MB: Mounting Base, Connected to Drain (D)

Fig. 7



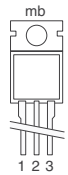
1. Gate (G)
2. Drain (D)
3. Source (S)
MB: Mounting Base, Connected to Drain (D)

Fig. 8



1,8: Drain (D)
2,3: Source 1 (S_1)
4: Gate 1 (G_1)
5: Gate 2 (G_2)
6,7: Source 2 (S_2)

Fig. 9



1. Gate
2. Drain
3. Source

Fig. 10

1. Source (1)
2. Source (2)
3. Gate (2)
4. Drain (2)
5. Drain (1)
6. Gate (1)

C

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

Free shipping on orders over €65! ***All prices in euro and include duties.***