MOSFETs *(Cont.)*

Fig.	VDSS (V)	ID (A)	RDS(on) (Ω)	Digi-Key Part No.	Pricing 1	10	100	Tape and Reel† Pricing	STMicro. Part No.
	550	5	.78	497-7474-5-ND◆	2.77	25.07	201.48	—	STF7NM50N
	550	7.5	.56	497-7476-5-ND◆	2.30	20.77	166.89	—	STF9NM50N
	550	8	.8	497-5396-5-ND◆	2.56	23.09	185.58	—	STP8NM50FP
	550	12	.32	497-7468-5-ND◆	4.13	36.84	302.05	—	STF13NM50N
	550	18	.19	497-4803-5-ND◆ ***NEW!***	6.92	61.86	507.25	—	STF21NM50N
	550	20	.25	497-5394-5-ND◆	6.92	61.86	507.25	—	STP20NM50FP
	600	4	1.76	497-5980-5-ND◆	1.57	13.91	109.97	—	STP4NK60ZFP
	600	6	1	497-5956-5-ND◆	1.69	14.99	118.50	—	STP6NK60ZFP
	600	7	.95	497-4346-5-ND◆	2.60	23.53	189.12	—	STF9NK60ZD
	600	10	.64	497-4808-5-ND◆	2.24	20.23	162.60	—	STF12NK60Z
	600	10	.37	497-5886-5-ND◆	4.35	38.88	318.84	—	STF11NM60N
	600	10	.65	497-5892-5-ND◆	3.06	27.72	222.69	—	STP10NK60ZFP
	600	11	.36	497-8892-5-ND◆ ***NEW!***	3.96	35.35	289.85	—	STF13NM60N
	600	11	.45	497-5392-5-ND◆	5.27	47.13	386.47	—	STP11NM60FDFP
	600	13	.285	497-10300-5-ND◆ ***NEW!***	6.10	54.51	446.98	—	STF18NM60N
6	600	16	.22	497-10301-5-ND◆ ***NEW!***	7.09	63.35	519.44	—	STF22NM60N
	600	20	.29	497-2771-5-ND◆	6.60	58.91	483.09	—	STP20NM60FP
	650	10	.41	497-7466-5-ND◆	3.86	34.51	282.95	—	STF12NM60N
	650	11	.45	497-3181-5-ND◆	4.29	38.30	314.01	—	STP11NM60FP
	650	12	.299	497-8893-5-ND◆ ***NEW!***	5.27	47.13	386.47	—	STF16N65M5
	650	12	.38	497-10316-5-ND◆ ***NEW!***	6.77	60.41	495.29	—	STF14NM65N
	650	14	.299	497-7469-5-ND◆	6.13	54.71	448.58	—	STF15NM60N
	710	33	.079	497-8895-5-ND◆ ***NEW!***	12.82	115.34	948.31	—	STF42N65M5
	800	2.5	4.5	497-4342-5-ND◆	1.43	12.62	99.80	—	STF3NK80Z
	800	6.2	1.3	497-5982-5-ND◆	3.36	30.35	243.90	—	STP8NK80ZFP
	800	9	.78	497-5972-5-ND◆	3.60	32.21	264.09	—	STP10NK80ZFP
	800	11	.40	497-4338-5-ND◆	6.60	58.91	483.09	—	STF11NM80
	900	3	4.1	497-5979-5-ND◆	1.53	13.53	106.95	—	STP3NK90ZFP
	1000	2.5	6	497-7473-5-ND◆	3.62	32.41	265.71	—	STF3NK100Z
	1000	3.5	3.7	497-4344-5-ND◆	3.71	33.16	271.91	—	STF5NK100Z
	1000	6.5	1.85	497-5007-5-ND◆	3.60	32.13	263.40	—	STF8NK100Z
				8-SOIC — RoHS Compliant					
	30	4	.055	497-3227-1-ND‡	1.49	13.39	106.35	1377.45/2,500	STS4DNFS30L
	30	4.5	.044	497-6187-1-ND‡	1.96	16.83	137.46	1893.65/2,500	STS4DNFS30
	30	9	.018	497-6189-1-ND‡	1.48	13.24	105.14	1363.42/2,500	STS9NH3LL
	30	9	.019	497-8196-1-ND‡	1.95	17.52	139.07	1803.87/2,500	STS9NF3LL
	30	9	.020	497-3234-1-ND‡	1.98	17.63	139.98	1815.09/2,500	STS9NF30L
	30	10	.021	497-10010-1-ND‡ ***NEW!***	1.35	12.02	95.44	1237.18/2,500	STS10N3LH5
	30	11	.0105	497-4121-1-ND‡	1.13	10.14	80.59	1043.61/2,500	STS11NF30L
	30	11	.014	497-10310-1-ND‡ ***NEW!***	.93	8.06	63.63	768.68/2,500	STS11N3LLH5
	30	12	.0105	497-4122-1-ND‡	1.71	15.26	121.19	1571.02/2,500	STS12NH3LL
	30	12	.009	497-3223-1-ND‡	1.29	11.56	91.80	1189.49/2,500	STS12NF30L
	30	14	.006	497-7027-1-ND‡	2.06	17.67	144.34	1989.03/2,500	STS14N3LLH5
7	30	15	.0075	497-5252-1-ND‡	2.21	18.95	154.79	2283.60/2,500	STSJ60NH3LL
	30	17	.0057	497-5760-1-ND‡	1.83	16.41	130.28	1688.85/2,500	STS17NH3LL
	30	25	.0035	497-2474-1-ND‡	2.17	18.52	151.21	2084.41/2,500	STS25NH3LL
	30	30	.0024	497-10008-1-ND‡ ***NEW!***	3.42	29.29	239.19	3296.35/2,500	STS30N3LLH6
	40	15	.005	497-8488-1-ND‡	3.67	31.48	257.06	3540.41/2,500	STS15N4LLF3
	55	24	.035	497-3317-1-ND‡	2.42	20.74	169.36	2334.09/2,500	VNS14NV04TR
	60	5	.055	497-8044-1-ND‡	1.39	12.43	98.77	1279.26/2,500	STS5NF60L
	60	7.5	.0195	497-4757-1-ND‡	1.81	16.18	128.46	1666.41/2,500	STS7NF60L
	100	4	.070	497-8043-1-ND‡	1.80	16.02	127.25	1649.58/2,500	STS4NF100
	150	5	.057	497-8903-1-ND‡ ***NEW!***	3.51	30.06	245.52	3383.31/2,500	STS5N15F3
	150	5	.063	497-10106-1-ND‡ ***NEW!***	1.65	14.80	117.56	1523.33/2,500	STS5N15F4
	600	0.3	8.5	497-3530-1-ND‡	.90	8.08	64.12	—	STS1HNK60
				Max247 — RoHS Compliant					
	100	140	.011	497-3267-5-ND	16.85	153.17	1301.99	—	STY140NS10
	500	60	.05	497-2775-5-ND	24.63	223.87	1902.90	—	STY60NM50
8	600	60	.055	497-3268-5-ND	23.33	212.09	1802.75	—	STY60NM60
	650	74	.035	497-8466-5-ND	36.53	337.87	2876.44	—	STY80NM60N
	900	28	.26	497-4431-5-ND	17.89	162.60	1382.11	—	STY30NK90Z
				SOT23-3L — RoHS Compliant					
9	60	0.20	5	497-3111-1-ND‡	.50	3.59	21.55	215.45/3,000	2N7002
				TO-92 — RoHS Compliant					
10A	60	0.35	5	497-3110-ND	.45	3.23	19.03	—	2N7000
10B	800	0.3	13	497-6197-1-ND‡	.93	8.06	63.63	—	STQ1NK80ZR-AP
				IPAK, TO-251 — RoHS Compliant					
	24	50	.0105	497-3519-5-ND	1.28	11.32	89.51	—	STD50NH02L-1
11	30	60	.009	497-3164-5-ND	1.16	10.19	80.56	—	STD6NH03L-1
	60	12	.1	497-6730-5-ND	1.57	13.88	109.70	—	STD12NF06L-1
				PowerSO-10					
	24	280	.001	497-7614-1-ND◆‡	6.89	62.06	505.60	2289.21/600	STV300NH02L
	30	160	.0028	497-3252-1-ND‡	6.09	55.21	460.09	2356.54/600	STV160NF03L
12	40	270	.0015	497-7031-1-ND◆‡	6.72	60.45	492.52	2229.96/600	STV270N4F3
	55	200	.0025	497-7028-1-ND◆‡	6.61	59.49	484.66	2194.27/600	STV200N55F3
	55	250	.0022	497-7030-1-ND◆‡	7.60	68.42	557.44	2523.51/600	STV250N55F3
	75	240	.0026	497-7029-1-ND◆‡	6.89	62.06	505.60	2289.21/600	STV240N75F3
				SOT-223 — RoHS Compliant					
	30	6.5	.05	497-4525-1-ND‡	1.39	12.43	98.77	2046.82/4,000	STN4NF03L
	60	4	.1	497-3177-1-ND‡	.99	8.53	67.33	1301.71/4,000	STN3NF06L
	60	4	.1	497-4764-1-ND‡	.86	7.42	58.58	1131.14/4,000	STN3NF06
	60	4	.1	497-10315-1-ND‡ ***NEW!***	1.57	14.04	111.50	2311.65/4,000	STN4NF06L
13	100	2.4	.26	497-8023-1-ND‡	.99	8.57	67.67	1306.19/4,000	STN2NF10
	200	1	1.5	497-3176-1-ND‡	1.35	12.02	95.44	—	STN1N20
	600	0.3	15	497-3523-1-ND‡	.91	7.26	54.44	1023.41/4,000	STN1NK60Z
	600	0.4	8.5	497-4668-1-ND‡	1.19	10.32	81.47	1575.51/4,000	STN1HNK60
	800	0.25	16	497-4669-1-ND‡	1.21	10.84	86.05	1786.48/4,000	STN1NK80Z

Fig.	VDSS (V)	ID (A)	RDS(on) (Ω)	Digi-Key Part No.	Pricing 1	10	100	Tape and Reel† Pricing	STMicro. Part No.
				I2PAK					
	40	120	.0037	497-3512-5-ND	2.27	20.51	164.82	—	STB200NF04-1
	100	80	.019	497-6185-5-ND◆	2.57	22.95	188.18	—	STB60NF10-1
	500	18	.19	497-5727-ND◆	5.52	49.34	404.57	—	STB21NM50N-1
	520	4.4	1.22	497-5952-5-ND◆	1.31	11.61	91.76	—	STB5NK52ZD-1
14	550	20	.25	497-5382-5-ND◆	5.03	44.89	368.07	—	STB20NM50-1
	550	22	.14	497-5729-ND◆	6.16	55.49	456.23	—	STB25NM50N-1
	650	11	.45	497-5379-5-ND◆	3.47	30.95	253.74	—	STB11NM60-1
	710	33	.079	497-8899-5-ND◆ ***NEW!***	12.96	116.65	959.11	—	STI42N65M5
				PowerFLAT™ (6 x 5) — RoHS Compliant					
	30	15	.0088	497-7018-1-ND‡	1.83	16.41	130.28	2026.62/3,000	STL55NH3LL
	30	16	.0105	497-5246-1-ND‡	2.48	21.21	173.21	2864.87/3,000	STL60NH3LL
	30	19	.0058	497-8484-1-ND‡	3.67	31.48	257.06	4248.50/3,000	STL65N3LLH5
	30	20	.0057	497-8485-1-ND‡	4.21	37.87	308.59	—	STL75NH3LL
	30	25	.0035	497-5813-1-ND‡	2.59	22.22	181.45	—	STL100NH3LL
15	30	27	.013	497-4114-1-ND‡	2.04	18.31	145.43	2262.27/3,000	STL50NH3LL
	30	33	.0024	497-10419-1-ND‡ ***NEW!***	3.47	31.35	251.98	4534.65/3,000	STL150N3LLH6
	30	35	.00175	497-8483-1-ND‡	4.06	36.60	298.23	5409.93/3,000	STL150N3LLH5
	40	20	.005	497-8486-1-ND‡	3.92	33.60	274.38	4534.65/3,000	STL80N4LLF3
	150	6	.057	497-8785-1-ND‡	4.06	36.60	298.23	5409.93/3,000	STL25N15F3
	150	6	.063	497-10105-1-ND‡ ***NEW!***	2.39	20.50	167.44	2767.25/3,000	STL25N15F4
				PowerFLAT™ (5 x 5) — RoHS Compliant					
	40	5	—	497-6473-1-ND‡	17.39	158.83	1361.40	28931.53/3,000	PD55008L-E
15	25	4	—	497-6470-1-ND‡	10.88	98.57	821.42	16017.71/3,000	PD54003L-E
	25	5	—	497-6471-1-ND‡	11.93	108.00	899.97	17549.46/3,000	PD54008L-E
	40	25	—	497-6472-1-ND‡	10.88	98.57	821.42	16017.71/3,000	PD55003L-E
				PowerFLAT™ (3.3 x 3.3) — RoHS Compliant					
16	30	8	.015	497-4115-1-ND‡	1.89	16.82	133.62	2077.12/3,000	STL8NH3LL
				ClipPak™ — RoHS Compliant					
17	24	150	.0035	497-4750-1-ND‡	2.38	20.37	166.34	2292.01/2,500	STD150NH02LT4
				PolarPAK® — RoHS Compliant					
	25	21	.005	497-6324-1-ND‡	3.71	31.81	259.81	4295.63/3,000	STK820
	30	20	.0098	497-5123-1-ND‡	3.51	30.06	245.52	4059.97/3,000	STK800
18A	30	28	.0045	497-8901-1-ND‡ ***NEW!***	3.71	33.42	272.30	4938.63/3,000	STK28N3LLH5
	75	20	.007	497-8900-1-ND‡ ***NEW!***	3.86	34.70	282.72	—	STK20N75F3
	25	38	.0015	497-6325-1-ND‡	4.42	39.78	324.15	5877.87/3,000	STK822
18B	30	30	.0035	497-5124-1-ND‡	4.77	42.97	350.07	6349.18/3,000	STK850
	30	38	.0018	497-8784-1-ND‡	4.24	38.18	311.06	5642.22/3,000	STK38N3LLH5
	60	22	.006	497-10009-1-ND‡ ***NEW!***	5.35	48.17	392.53	—	STK22N6F3
				PowerSO-10RF — RoHS Compliant					
	40	4	—	497-6474-1-ND‡	19.30	176.27	1510.88	7302.57/600	PD55008TR-E
	65	1	—	497-6475-1-ND‡	19.90	181.69	1557.33	7527.45/600	PD57006TR-E
	65	2.5	—	497-6477-1-ND‡	37.68	367.41	3108.78	15543.71/600	PD57018TR-E
20A	40	5	—	497-6715-5-ND	23.74	219.64	1869.91	—	PD55015-E
	40	7	—	497-6717-5-ND	38.47	355.83	3029.33	—	PD55035-E
	65	1	—	497-6719-5-ND	19.03	173.04	1470.82	—	PD57006-E
	65	7	—	497-6721-5-ND	72.51	682.45	6078.10	—	PD57070-E
	40	7	—	497-5301-5-ND	33.31	308.08	2622.82	—	PD55025-E
	65	2.5	—	497-6476-1-ND‡	37.68	367.41	3108.78	15543.71/600	PD57018STR-E
	25	5	—	497-6714-5-ND	18.47	167.88	1426.94	—	PD54008S-E
20B	40	5	—	497-6716-5-ND	23.74	219.64	1869.91	—	PD55015S-E
	65	.25	—	497-6718-5-ND	12.47	113.34	963.37	—	PD57002S-E
	65	1	—	497-6720-5-ND	19.03	173.04	1470.82	—	PD57006S-E
				Dual N-Channel					
				TSSOP-8					
	20	5	.045	497-3151-1-ND◆‡	1.13	9.81	77.43	1499.21/4,000	STC5NF20V
7	30	4.5	.035/ .040	497-7956-1-ND◆‡	1.71	15.26	121.19	2513.64/4,000	STC5DNF30V
	30	6	.030	497-3152-1-ND‡	1.80	16.02	127.25	2639.32/4,000	STC6NF30V
				8-SOIC					
	20	5	.045	497-3229-1-ND‡	1.30	11.64	92.41	1197.91/2,500	STS5DNF20V
	30	4	.06	497-5251-1-ND◆‡	1.13	9.81	77.43	937.00/2,500	STS4DNF30L
	30	8	.022	497-4399-1-ND◆‡	1.37	12.21	96.95	1256.82/2,500	STS8DNH3LL
7	30	8	.020	497-2470-1-ND◆‡	1.57	14.04	111.50	1444.78/2,500	STS8DNF3LL
	30	9	.012	497-6030-1-ND◆‡	1.90	16.98	134.83	1747.76/2,500	STS9D8NH3LL
	30	10	.021	497-10011-1-ND◆‡ ***NEW!***	1.49	13.39	106.35	1377.45/2,500	STS10DN3LH5
	60	4	.055	497-3226-1-ND◆‡	2.00	17.10	139.66	1924.50/2,500	STS4DNF60L
				P-Channel					
				TO-220 — RoHS Compliant					
1	60	12	.20	497-2721-5-ND	.98	8.56	66.05	—	STP12PF06
	55	80	.018	497-2729-5-ND	3.28	29.60	237.84	—	STP80PF55
				D2PAK — RoHS Compliant					
3	55	80	.018	497-6559-1-ND‡	4.88	43.90	357.72	2276.86/1,000	STB80PF55T4
				DPAK — RoHS Compliant					
4	30	24	.028	497-3158-1-ND‡	1.85	16.60	131.80	1708.49/2,500	STD30PF03LT4
	60	10	.20	497-2456-1-ND‡	1.08	9.34	73.73	892.12/2,500	STD10PF06T4
				8-SOIC — RoHS Compliant					
	20	5	.055	497-4758-1-ND‡	1.76	15.25	117.27	1820.70/2,500	STS5DPF20L
7	30	5	.08	497-3231-1-ND‡	1.35	12.02	95.44	1237.18/2,500	STS5PF30L
	30	7	.021	497-3233-1-ND‡	2.11	18.85	149.67	1941.34/2,500	STS7PF30L

◆ *RoHS Compliant* † For Tape and Reel part number, change 1-ND to 2-ND. ‡ Cut Tape *(Continued)*

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.

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