



A Product Line of Diodes Incorporated

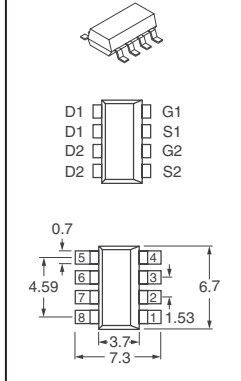


**MOSFETs**  
30 - 50 Volts (Cont.)

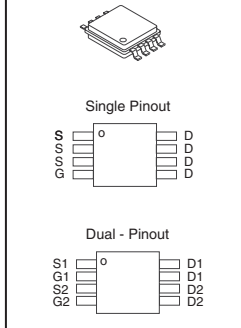


BV <sub>DSS</sub> (V)	I <sub>D</sub> (mA)	I <sub>DM</sub> (A)	V <sub>GS</sub> (th)		R <sub>DS(on)</sub> (Ω)	I <sub>D</sub> (mA)	V <sub>GS</sub> (V)	P <sub>D</sub> (W)	Package Type	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		
			Min.	Max.							1	10		Qty.	Pricing	
<b>N-Channel</b>																
18400	66	1	—	250	0.03	9800	4.5	10.1	D-PAK	ZXMN3A04KCTC-ND	3.85	2.89	ZXMN3A04KCTC-ND	2,500	1089.70/M	
7200	45	0.7	—	0.25	0.025	8900	4.5	2.0	SO-8	ZXMN3B04N8CT-ND	1.98	1.49	ZXMN3B04N8CT-ND	500	346.50	
6700	24	1	—	0.25	0.025	12000	10	1.1	MSOP-8	ZXMN3A02X8CT-ND	2.22	1.67	ZXMN3A02X8CT-ND	1,000	720.80	
5300	44	1	—	0.25	0.035	10200	10	2.5	SO-8	ZXMN3A02N8CT-ND	2.46	1.85	ZXMN3A02N8CT-ND	500	430.50	
4700	16	1	—	0.25	0.11	2200	10	2.0	SOT-223	ZXM62N03GCT-ND	1.26	.95	ZXM62N03GTR-ND	1,000	357.00	
3800	21	1	3	0.25	0.047	3200	10	0.95	SOT-23	ZXMN3F30FHCT-ND	.50	.38	ZXMN3F30FHTR-ND	3,000	124.50/M	
3700	17	1	—	0.25	0.050	7800	10	1.1	SOT-23-6	ZXMN3A03E6CT-ND	1.26	.95	ZXMN3A03E6TR-ND	3,000	315.00/M	
3500	16	0.7	—	0.25	0.140	2200	2.5	1.0	SOT-23	ZXMN3B14FCT-ND	.93	.70	ZXMN3B14FTR-ND	3,000	232.50/M	
3200	—	1	—	0.25	0.065	3200	10	1.000	SOT-23	ZXMN3A14FCT-ND	.90	.68	ZXMN3A14FTR-ND	3,000	225.00/M	
3200	18	1	—	0.25	0.11	2200	10	1.1	SOT-23-6	ZXM62N03E6CT-ND	1.19	.90	—	—	—	
2400	10	1	—	0.25	0.12	2000	10	1.1	SOT-23-6	ZXMN3A01E6CT-ND	.87	.66	ZXMN3A01E6TR-ND	3,000	217.50/M	
1800	8	1	—	0.25	0.12	2500	10	.625	SOT-23	ZXMN3A01FCT-ND	.60	.45	ZXMN3A01FTR-ND	3,000	150.00/M	
1400	17	1	—	0.25	0.22	9100	10	1.1	SOT-23	ZXM61N03FCT-ND	.72	.54	ZXM61N03FTR-ND	3,000	240.00/M	
2.0	9.4	0.7	—	0.25	0.15	1700	4.5	.625	SOT-23	ZXMN3B01FCT-ND	.69	.52	ZXMN3B01FTR-ND	3,000	195.50/M	
<b>Dual — RoHS Compliant</b>																
10900	35.3	1	—	0.25	0.050	0045	10	4.2	D-PAK	ZXMA4A06KCT-ND	2.28	1.71	ZXMA4A06KTR-ND	2,500	646.00/M	
5000	22	1	—	0.25	0.05	4500	10	2.0	SOT-223	ZXMA4A06GCT-ND	1.26	.95	ZXMA4A06GTR-ND	1,000	357.00	
50	200	0.8	0.5	1.5	1	3.5	200	5	360	SOT-23	BSS138ZXT-ND	.33	.25	BSS138ZXT-ND	3,000	68.75/M
<b>Dual — RoHS Compliant</b>																
8500	39	1	—	0.25	0.020	12600	10	2.15	SO-8	ZXMN3A04DN8CT-ND	3.36	2.52	ZXMN3A04DN8TR-ND	500	588.00	
3200	30	1	—	0.25	0.035	9000	10	2.1	SO-8	ZXMN3A06DN8CT-ND	1.98	1.49	ZXMN3A06DN8TR-ND	500	330.00	
5700	33	1	3	0.25	0.024	7000	10	1.25	SO-8	ZXMN3F31DN8CT-ND	1.32	.99	ZXMN3F31DN8TR-ND	500	231.00	
5500	33.6	1	3	0.25	0.028	6000	10	1.25	SO-8	ZXMN3G32DN8CT-ND	1.32	.99	ZXMN3G32DN8TR-ND	500	231.00	
3000	13	1	—	0.25	0.12	2500	10	1.5	MLP832	ZXMN3AM832CT-ND	1.38	1.04	ZXMN3AM832TR-ND	3,000	345.00/M	
2300	14	1	—	0.25	0.135	1700	10	1.25	MSOP-8	ZXMD63N03XCT-ND	4.33	3.25	ZXMD63N03XTR-ND	1,000	1225.70	
<b>P-Channel</b>																
-5400	-24.9	-1	—	0.25	.045	4200	-10	2.0	SOT-223	ZXMP3A16GCT-ND	1.62	1.22	ZXMP3A16GTR-ND	1,000	459.00	
-3200	-14.4	-1	—	0.25	0.07	3200	-10	1.1	SOT-23-6	ZXMP3A17E6CT-ND	1.05	.79	ZXMP3A17E6TR-ND	3,000	297.50/M	
-5600	-25	-1	—	0.25	0.045	4200	-10	1.9	SO-8	ZXMP3A16N8CT-ND	1.56	1.17	ZXMP3A16N8TR-ND	500	273.00	
-1100	-4.3	-1	—	0.25	0.35	600	-10	.625	SOT-23	ZXM61P03FCT-ND	.72	.54	ZXM61P03FTR-ND	3,000	240.00/M	
-2600	-13	-1	—	0.25	0.15	1600	-10	1.1	SOT-23-6	ZXM62P03E6CT-ND	1.14	.86	ZXM62P03E6TR-ND	3,000	285.00/M	
-1400	-5	-1	—	0.25	0.21	1400	-10	.625	SOT-23	ZXMP3A13FCT-ND	.72	.54	ZXMP3A13FTR-ND	3,000	204.00/M	
-3800	-19	-1	—	0.25	0.075	2400	-10	1.1	MSOP-8	ZXM64P03XCT-ND	2.64	1.98	ZXM64P03XTR-ND	1,000	748.00	
-7900	-28	-1	—	0.25	0.025	5600	-10	2.5	SO-8	ZXM66P03N8CT-ND	5.15	3.87	ZXM66P03N8TR-ND	500	901.95	
-9900	-35	-1	—	0.25	0.060	3800	-10	9.5	D-PAK	ZXMP4A16KCTC-ND	2.16	1.62	ZXMP4A16KCTC-ND	2,500	648.00/M	
-6400	-21	-1	—	0.25	0.06	3800	-10	3.9	SOT-223	ZXMP4A16GCT-ND	2.07	1.56	ZXMP4A16GTR-ND	1,000	586.50	
-45	-9	-1.6	-1	-3.5	1	14	200	-10	.330	SOT-23	BS250FCT-ND	1.02	.77	BS250FTR-ND	3,000	255.00/M
-50	-130	-0.52	-0.8	-2.0	1	10	100	-5	.360	SOT-23	BSS84ZXT-ND	.33	.25	BSS84ZXT-ND	3,000	68.75/M
<b>Dual</b>																
-2000	-9.6	-1	—	0.25	0.185	1200	-10	1.0	MSOP-8	ZXMD63P03XCT-ND	4.55	3.42	ZXMD63P03XTR-ND	1,000	1288.60	
-4400	-16.2	-1	—	0.25	0.070	3200	-10	2.1	SO-8	ZXMP3A17DN8CT-ND	2.27	1.71	ZXMP3A17DN8TR-ND	500	396.90	
-5500	-20	-1	—	0.25	0.045	4200	-10	2.1	SO-8	ZXMP3A16DN8CT-ND	2.47	1.86	ZXMP3A16DN8TR-ND	500	432.60	
-4800	-18	-1	—	0.25	0.055	4900	-10	2.0	SO-8	ZXMP3A03N8CT-ND	3.56	2.68	ZXMD65P03N8TR-ND	500	623.70	
<b>N and P Channel Complementary — RoHS Compliant</b>																
30	2300	14	1	—	0.25	0.135	1700	10	1.25	MSOP-8	ZXMD63C03XCT-ND	4.12	3.09	ZXMD63C03XTR-ND	1,000	1166.20
-30	-2000	-9.6	-1	—	0.25	0.185	1200	-10	1.0	MSOP-8	ZXMD63P03XCT-ND	4.55	3.42	ZXMD63P03XTR-ND	1,000	1288.60
30	3700	12.4	1	—	0.25	.120	2500	10	1.70	MLP832	ZXMC3AM832TACT-ND	1.68	1.26	ZXMC3AM832TATR-ND	3,000	504.00/M
-30	-2700	-9.2	-0.8	—	0.25	.110	1400	-10	1.0	MLP832	ZXMC3AM832TACT-ND	1.68	1.26	ZXMC3AM832TATR-ND	3,000	504.00/M
30	5400	23	1	—	0.25	.050	7800	10	1.25	SO-8	ZXMC3A17DN8CT-ND	1.68	1.26	ZXMC3A17DN8TR-ND	500	294.00
-30	-4400	-20	-1	—	0.25	0.070	3200	-10	1.25	SO-8	ZXMC3A16DN8CT-ND	2.40	1.80	ZXMC3A16DN8TR-ND	500	432.60
30	6400	30	1	—	0.25	0.050	0.0074	4.5	1.25	SO-8	ZXMC3A16DN8CTC-ND	2.40	1.80	ZXMC3A16DN8CTC-ND	2,500	720.00/M
-30	-5400	-25	-1	—	0.25	0.070	0.0034	-4.5	1.25	SO-8	ZXMC3A16DN8CTC-ND	2.40	1.80	ZXMC3A16DN8CTC-ND	2,500	720.00/M
30	6400	30	1	—	0.25	0.050	0.0074	4.5	1.8	SO-8	ZXMC3A16DN8CTC-ND	2.40	1.80	ZXMC3A16DN8CTC-ND	2,500	720.00/M
-30	-5400	-25	-1	—	0.25	0.070	0.0034	-4.5	1.8	SO-8	ZXMC3A16DN8CTC-ND	2.40	1.80	ZXMC3A16DN8CTC-ND	2,500	720.00/M
30	7600	37	1	—	0.25	0.030	5300	4.5	1.8	SO-8	ZXMC3A18DN8CT-ND	3.00	2.25	ZXMC3A18DN8CT-ND	500	420.00
-30	-6300	-30	-1	—	0.25	0.050	4000	-4.5	1.8	SO-8	ZXMC3A18DN8CT-ND	3.00	2.25	ZXMC3A18DN8CT-ND	500	420.00
40	5200	24	1	—	0.25	0.075	3200	4.5	1.8	SO-8	ZXMC4A16DN8CT-ND	2.40	1.80	ZXMC4A16DN8TR-ND	500	420.00
-40	-4700	-23	-1	—	0.25	0.10	2900	-4.5	1.8	SO-8	ZXMC4A16DN8CT-ND	2.40	1.80	ZXMC4A16DN8TR-ND	500	420.00

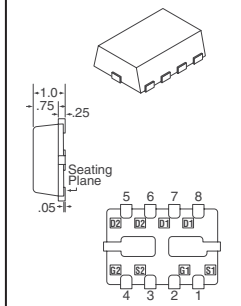
SM-8 (SOT223-8)



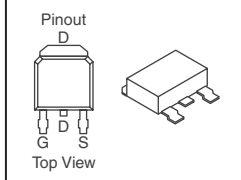
SO-8



MLP832



D-PAK



**60 Volts**

BV <sub>DSS</sub> (V)	I <sub>D</sub> (mA)	I <sub>DM</sub> (A)	V <sub>GS</sub> (th)		R <sub>DS(on)</sub> (Ω)	I <sub>D</sub> (mA)	V <sub>GS</sub> (V)	P <sub>D</sub> (W)	Packaging Type	Digi-Key Part No.	Loose Piece Price Each				
			Min.	Max.							1	10	100	1,000	
<b>N-Channel — RoHS Compliant</b>															
270	3	0.8	2.4	1	5	500	10	0.625	TO-92	ZVN3306A-ND	1.17	.88	59	39	
450	8	0.8	2.4	1	2	1000	10	0.7	TO-92	ZVN2106A-ND	1.08	.81	49	31	
600	8	1.3	3.0	1	1.5	500	5	0.7	TO-92	ZVN4206A-ND	1.14	.86	52	33	
1100	20	1.3	3.0	1	0.45	1500	5	0.85	TO-92	ZVN4306A-ND	2.74	2.06	124	78	
270	3	0.8	3.0	1	5	200	10	0.625	TO-92	BS170P-ND	1.21	.91	61	41	
270	3	0.8	2.5	1	7.5	200	5	0.625	TO-92	VN10LP-ND	1.02	.77	51	34	
<b>P-Channel — RoHS Compliant</b>															
-60	-160	-1.6	-1.5	-3.5	1	14	200	-10	0.625	TO-92	ZVP3306A-ND	.96	.72	44	28
-60	-280	-4	-1.5	-3.5	1	5	500	-10	0.7	TO-92	ZVP2106A-ND	1.50	1.13	68	43

BV <sub>DSS</sub> (V)	I <sub>D</sub> (mA)	I <sub>DM</sub> (A)	V <sub>GS</sub> (th)		R <sub>DS(on)</sub> (Ω)	I <sub>D</sub> (mA)	V <sub>GS</sub> (V)	P <sub>D</sub> (W)	Packaging Type	Digi-Key Part No.	Cut	
-----------------------	---------------------	---------------------	----------------------	--	-------------------------	---------------------	---------------------	--------------------	----------------	-------------------	-----	--