

# N-Channel MOSFETs



A Product Line of  
Diodes Incorporated



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MOSFETS

Diodes Inc.



## N-CHANNEL ENHANCEMENT MODE MOSFETs

### ◆ Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV <sub>DSS</sub> (V)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	R <sub>DS(on)</sub> Max (Ω) @		C <sub>ISS</sub> typ(pF) @ V <sub>DS</sub> =10V	Q <sub>G</sub> typ(nC) @ V <sub>GS</sub> =4.5V	Price Each					
						V <sub>GS</sub> =2.5V				V <sub>GS</sub> =4.5V		1	10	100	500
◆ 522-ZXMG1N02FTA	ZXMG1N02FTA	SOT-23	20	1.7	0.8	0.18	0.24 @ 2.7V	170	2.6	.65	.48	.32	.28		
◆ 522-ZXMN2A01FTA	ZXMN2A01FTA	SOT-23	20	2	0.8	0.225	0.12	310	3	.54	.40	.27	.23		
◆ 522-ZXMN2A01E6TA	ZXMN2A01E6TA	SOT-23-6	20	3	1.7	0.3	0.12	299	3.1	.78	.58	.39	.33		
◆ 522-ZXMG2N02E6TA	ZXMG2N02E6TA	SOT-23-6	20	3.2	1.7	0.125 @ 2.7V	0.1	480	5	1.03	.76	.51	.44		
◆ 522-ZXMN2A14FTA	ZXMN2A14FTA	SOT-23	20	3.3	1	0.11	0.06	613	6.4	.97	.72	.49	.41		
◆ 522-ZXMN2F34FHFTA	ZXMN2F34FHFTA	SOT-23	20	4	1.4	0.12	0.06	277	2.8	.41	.30	.21	.188		
◆ 522-ZXMN2A03E6TA	ZXMN2A03E6TA	SOT-23-6	20	4.5	1.7	0.1	0.055	823	8.6	1.13	.84	.57	.48		
◆ 522-ZXMN2F30FHFTA	ZXMN2F30FHFTA	SOT-23	20	4.9	1.4	0.065	0.045	452	4.8	.45	.33	.23	.208		
◆ 522-ZXMN2F34MATA	ZXMN2F34MATA	DFN322	20	5.1	2.2	0.12	0.06	277	2.8	.57	.42	.29	.263		
◆ 522-ZXMG4N02XTA	ZXMG4N02XTA	MSOP-8	20	5.4	1.8	0.050 @ 2.7V	0.04	1100	12.5	1.78	1.32	.89	.76		
◆ 522-ZVN4525E6TA	ZVN4525E6TA	SOT-23-6	250	0.23	1.1	9.5 @ 2.4V	8.5	72	2.5	1.24	.92	.62	.53		
◆ 522-ZVN4525ZTA	ZVN4525ZTA	SOT-89	250	0.24	1.2	9.5 @ 2.4V	8.5	72	2.5	1.19	.88	.59	.51		
◆ 522-ZVN4525GTA	ZVN4525GTA	SOT-223	250	0.31	2	9.5 @ 2.4V	8.5	72	2.5	1.24	.92	.62	.53		

MOUSER STOCK NO.	Zetex Part No.	Package	BV <sub>DSS</sub> (V)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	R <sub>DS(on)</sub> Max (Ω) @		C <sub>ISS</sub> typ(pF) @ V <sub>DS</sub> =30V	Q <sub>G</sub> typ(nC) @ V <sub>GS</sub> =10V	Price Each					
						V <sub>GS</sub> =4.5V				V <sub>GS</sub> =10V		1	10	100	500
◆ 522-ZXMG1N03FTA	ZXMG1N03FTA	SOT-23	30	1.4	0.8	0.3	0.22	160	3.2	.65	.48	.32	.28		
◆ 522-ZXMN3A01FTA	ZXMN3A01FTA	SOT-23	30	2	0.8	0.18	0.12	190	3.9	.54	.40	.27	.23		
◆ 522-ZXMN3A01E6TA	ZXMN3A01E6TA	SOT-23-6	30	3	1.7	0.18	0.12	190	3.9	.78	.58	.39	.33		
◆ 522-ZXMN3A14FTA	ZXMN3A14FTA	SOT-23	30	3.5	1	0.095	0.065	450	8.7	.81	.60	.41	.35		
◆ 522-ZXMN3F30FHFTA	ZXMN3F30FHFTA	SOT-23	30	4.6	1.4	0.065	0.047	-	9.1	.45	.33	.23	.208		
◆ 522-ZXMG2N03GTA	ZXMG2N03GTA	SOT-223	30	4.7	3.9	0.15	0.11	380	9.6	1.13	.84	.57	.48		
◆ 522-ZXMN3G32DN8TA	ZXMN3G32DN8TA	SOT-23	30	7.1	2.1	0.045	0.028	-	10.5	1.19	.88	.62	.55		
◆ 522-ZXMN3F31DN8TA	ZXMN3F31DN8TA	SOT-23	30	7.3	2.1	0.039	0.024	-	12.9	1.19	.88	.62	.55		
◆ 522-ZXMN3A02N8TA	ZXMN3A02N8TA	SO-8	30	9	2.5	0.035	0.025	1400	26.8	2.21	1.64	1.11	.94		
◆ 522-ZXMN3B04N8TA	ZXMN3B04N8TA	SO-8	30	9.1	2.5	0.025	-----	2480	23.1 @ 4.5V	1.78	1.32	.89	.76		
◆ 522-ZXMN3A04KTC	ZXMN3A04KTC	DPAK	30	18.4	10.1	0.03	0.02	1890	36.8	3.02	2.24	1.51	1.29		
◆ 522-ZXMN4A06GTA	ZXMN4A06GTA	SOT-223	40	7	3.9	0.075	0.05	810	18.2	1.86	1.38	.93	.79		
◆ 522-ZXMN6A07FTA	ZXMN6A07FTA	SOT-23	60	1	0.8	0.45	0.3	166	3.2	.65	.48	.32	.28		
◆ 522-ZXMN6A08E6TA	ZXMN6A08E6TA	SOT-23-6	60	3.1	1.7	0.18	0.1	459	5.8	1.13	.84	.57	.48		
◆ 522-ZXMN6A11GTA	ZXMN6A11GTA	SOT-223	60	3.8	3.9	0.25	0.14	330	5.7	1.13	.84	.57	.48		
◆ 522-ZXMN6A09GTA	ZXMN6A09GTA	SOT-223	60	7.5	2	0.04	0.06	59	12.4	1.86	1.38	.93	.79		

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						V <sub>GS</sub> =6V				V <sub>GS</sub> =10V		1	10	100	500
◆ 522-ZXMN10A08E6TA	ZXMN10A08E6TA	SOT-23-6	100	1.5	1.7	0.3	0.25	405	7.7	.90	.67	.45	.38		
◆ 522-ZXMN10A11GTA	ZXMN10A11GTA	SOT-223	100	1.9	3.9	0.45	0.35	274	5.4	1.13	0.84	.57	.48		

## N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FETS

### ◆ Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV <sub>DSS</sub> (V)	I <sub>D</sub> (A)	P <sub>D</sub> (W)	R <sub>DS(on)</sub> Max (Ω) @ V <sub>GS</sub> (V <sub>GS</sub> =2.5 ~ 10V)							C <sub>ISS</sub> typ(pF) @ V <sub>DS</sub>	Q <sub>G</sub> typ(nC) @ V <sub>GS</sub> =10V	Price Each				
						2.5V	2.6V	3V	4.5V	5V	6V	10V			1	10	100	500	
◆ 522-ZVN3320FTA	ZVN3320FTA	SOT-23	200	0.06	0.33	-----	-----	-----	-----	-----	-----	25	-----	.84	.62	.42	.36		
◆ 522-BS107P	BS107P	E-Line	200	0.12	0.5	-----	-----	23	-----	30	-----	-----	58 @ 50V	2.7	1.07	.79	.53	.46	
◆ 522-ZVNL120A	ZVNL120A	E-Line	200	0.18	0.7	-----	-----	-----	10	-----	-----	-----	58 @ 50V	2.2	.92	.68	.46	.39	
◆ 522-ZVN2120GTA	ZVN2120GTA	SOT-223	200	0.32	2	-----	-----	-----	-----	-----	-----	-----	10	58 @ 50V	2.2	1.35	1.00	.68	.58
◆ 522-ZVNO124A	ZVNO124A	E-Line	240	0.16	0.7	-----	-----	-----	-----	-----	-----	-----	16	62 @ 50V	1.4	.97	.72	.49	.41
◆ 522-ZVN4424A	ZVN4424A	E-Line	240	0.26	0.75	6	-----	-----	-----	-----	-----	-----	5.5	100 @ 50V	18	1.51	1.12	.76	.64
◆ 522-ZVN4424ZTA	ZVN4424ZTA	SOT-89	240	0.26	0.75	6	-----	-----	-----	-----	-----	-----	5.5	100 @ 50V	18	1.11	.82	.55	.47
◆ 522-ZVN4424GTA	ZVN4424GTA	SOT-223	240	0.5	2.5	6	-----	-----	-----	-----	-----	-----	5.5	100 @ 50V	18	1.70	1.26	.85	.72
◆ 522-ZVN0545A	ZVN0545A	E-Line	450	0.09	0.7	-----	-----	-----	-----	-----	-----	-----	50	55 @ 50V	-----	2.48	1.84	1.24	1.06
◆ 522-ZVN0545GTA	ZVN0545GTA	SOT-223	450	0.14	2	-----	-----	-----	-----	-----	-----	-----	50	55 @ 50V	-----	1.19	.88	.59	.51
◆ 522-BSS138TA	BSS138TA	SOT-23	50	0.2	0.36	-----	-----	-----	-----	3.5	-----	-----	-----	35 @ 30V	-----	.52	.39	.26	.22
◆ 522-2N7002TA	2N7002TA	SOT-23	60	0.115	0.33	-----	-----	-----	-----	-----	-----	-----	3.75	27 @ 30V	1	.27	.20	.14	.12
◆ 522-ZVN3306FTA	ZVN3306FTA	SOT-23	60	0.15	0.33	-----	-----	-----	-----	-----	-----	-----	5	30 @ 30V	0.95	.84	.62	.42	.36
◆ 522-ZVN4106FTA	ZVN4106FTA	SOT-23	60	0.2	0.33	-----	-----	-----	-----	5	-----	-----	2.5	27 @ 30V	1	.92	.68	.46	.39
◆ 522-ZVN3306A	ZVN3306A	E-Line	60	0.27	0.625	-----	-----	-----	-----	-----	-----	-----	5	30 @ 30V	0.95	.92	.68	.46	.39
◆ 522-VN10LP	VN10LP	E-Line	60	0.27	0.625	-----	-----	-----	-----	7.5	-----	-----	5	30 @ 30V	0.95	.92	.68	.46	.39
◆ 522-BS170FTA	BS170FTA	SOT-23	60	0.15	0.33	-----	-----	-----	-----	-----	-----	-----	5	60 @ 30V	-----	.92	.68	.46	.39
◆ 522-BS170P	BS170P	E-Line	60	0.27	0.625	-----	-----	-----	-----	-----	-----	-----	5	60 @ 30V	-----	.95	.70	.48	.40
◆ 522-ZVN2106A	ZVN2106A	E-Line	60	0.45	0.7	-----	-----	-----	-----	-----	-----	-----	2	50 @ 30V	1.6	.97	.72	.49	.41
◆ 522-ZVN4206A	ZVN4206A	E-Line	60	0.6	0.7	-----	-----	-----	-----	1.5	-----	-----	1	70 @ 30V	2.4	.92	.68	.46	.39
◆ 522-ZVN2106GTA	ZVN2106GTA	SOT-223	60	0.71	2	-----	-----	-----	-----	-----	-----	-----	2	50 @ 30V	1.6	1.19	.88	.59	.51
◆ 522-ZVN4206GTA	ZVN4206GTA	SOT-223	60	1	2	-----	-----	-----	-----	1.5	-----	-----	1	70 @ 30V	2.4	1.46	1.08	.73	.62
◆ 522-ZVN4306A	ZVN4306A	E-Line	60	1.1	1.1	-----	-----	-----	-----	0.45	-----	0.33	220 @ 30V	5.2	2.46	1.82	1.23	1.05	
◆ 522-ZVN4306AV	ZVN4306AV	E-Line	60	1.1	1.1	-----	-----	-----	-----	0.45	-----	0.33	220 @ 30V	5.2	2.46	1.82	1.23	1.05	
◆ 522-ZVN4306GTA	ZVN4306GTA	SOT-223	60	2.1	3	-----	-----	-----	-----	0.45	-----	0.33	220 @ 30V	5.2	2.16	1.60	1.08	.92	
◆ 522-ZVN4306GVTA	ZVN4306GVTA	SOT-223	60	2.1	3	-----	-----	-----	-----	0.45	-----	0.33	220 @ 30V	5.2	2.38	1.76	1.19	1.01	
◆ 522-ZVN3310FTA	ZVN3310FTA	SOT-23	100	0.1	0.33	-----	-----	-----	-----	-----	-----	-----	10	25 @ 50V	0.7	.84	.62	.42	.36
◆ 522-ZVNL110A	ZVNL110A	E-Line	100	0.12	0.7	-----	-----	-----	-----	4.5	-----	-----	3	75 @ 50V	-----	.92	.68	.46	.39
◆ 522-BSS123ATA	BSS123ATA	SOT-23	100	0.17	0.36	-----	-----	-----	-----	10	-----	-----	6	40 @ 50V	1.2	.49	.36	.24	.21
◆ 522-BSS123TA	BSS123TA	SOT-23	100	0.17	0.36	-----	-----	-----	-----	-----	-----	-----	6	25 @ 50V	0.7	.49	.36	.24	.21
◆ 522-ZVN3310A	ZVN3310A	E-Line	100	0.2	0.625	-----	-----	-----	-----	-----	-----	-----	10	25 @ 50V	0.7	.92	.68	.46	.39
◆ 522-ZVN2110A	ZVN2110A	E-Line	100	0.32	0.7	-----	-----	-----	-----	-----	-----	-----	4	60 @ 50V	1.8	.97	.72	.49	.41
◆ 522-ZVN4210A	ZVN4210A	E-Line	100	0.45	0.7	-----	-----	-----	-----	1.8	-----	-----	1.5	65 @ 50V	2.7	1.13	.84	.57	.48
◆ 522-ZVN2110GTA	ZVN2110GTA	SOT-223	100	0.5	0.2	-----	-----	-----	-----	-----	-----	-----	4	60 @ 50V	1.8	1.35	1.00	.68	.58
◆ 522-ZVNL110GTA	ZVNL110GTA	SOT-223	100	0.6	2	-----	-----	-----	-----	4.5	-----	-----	3	60 @ 50V	1.8	1.46	1.08	.73	.62
◆ 522-ZXMN10A07FTA	ZXMN10A07FTA	SOT-23	100	0.64	0.8	-----	-----	-----	-----	0.9	0.7	-----	0.7	138 @ 50V	2.5	.59	.44	.30	.25
◆ 522-ZVN4210GTA	ZVN4210GTA	SOT-223	100																