



A Product Line of Diodes Incorporated

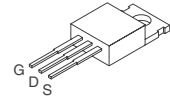


MOSFETs
100-150 Volts (Cont.)



TO-220

BV _{DSS} (V)	I _D (mA)	I _{DM} (A)	V _{GS} (th) @ I _D (mA)		R _{DS} (on) I _D (mA)		V _{GS} (V)	P _D (W)	Package Type	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		
			Min.	Max.	Max.	@					1	10		Qty.	Pricing	
-100	-75	-1.2	-1.5	-3.5	1	20	-150	-10	.330	SOT23-3	ZVP3310FCT-ND	.91	.79	ZVP3310FTR-ND	3,000	300.74/M
	-310	-3.0	-1.5	-3.5	1	8.0	-0.375	-10	2.0	SOT-223	ZVP2110GCT-ND	1.28	1.15	ZVP2110GTR-ND	1,000	504.97
	-1400	-7.7	-2.0	-4.0	-0.25	0.45	-1200	-6	1.1	SOT-223	ZXMP10A17GCT-ND	.99	.86	ZXMP10A17GTR-ND	1,000	359.09
	-3800	-21.1	-2.0	-4.0	-0.25	0.190	-2400	-6	4.3	D-PAK	ZXMP10A18KCTCT-ND	1.71	1.53	ZXMP10A18KCTTR-ND	2,500	628.41/M
	-3900	-3.9	-2.0	-4.0	-0.25	0.450	-456	—	4.3	D-PAK	ZXMP10A17KCT-ND	1.22	1.10	ZXMP10A17KTR-ND	2,500	451.11/M
	-3000	-15.4	-2.0	-4.0	-0.25	0.235	-2100	-10	4.24	D-PAK	ZXMP10A16KCT-ND	1.09	.98	ZXMP10A16KTR-ND	2,500	400.62/M
NEW! N and P Channel Complementary NEW!																
100	2000	9.4	—	3	0.25	0.230	2100	10	1.8	SO-8	ZXMC10A816N8DICT-ND	1.19	1.07	ZXMC10A816N8DITR-ND	2,500	439.89/M
-100	-2000	-10.5	—	-3	-0.25	0.235	-2200	-10								
100	800	4.3	—	4	0.25	0.70	1000	10	.87	SO-8	ZXMC10A07N8DICT-ND	1.49	1.34	ZXMC10A07N8DITR-ND	2,500	549.86/M
-100	-680	-3.64	—	-4	-0.25	1.00	-900	-10								



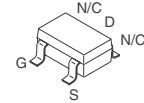
200 - 450 Volts



C

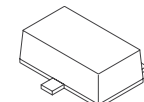
BV _{DSS} (V)	I _D (mA)	I _{DM} (A)	V _{GS} (th) @ I _D (mA)		R _{DS} (on) I _D (mA)		V _{GS} (V)	P _D (W)	Packaging Type	Digi-Key Part No.	Loose Piece Price Each				
			Min.	Max.	Max.	@					1	10	100	1,000	
N-Channel															
200	180	2	0.5	1.5	1	10	125	3	0.7	T092-3	ZVNL120A-ND	.88	.77	.60	.36
200	120	2	—	—	—	23	25	2.6	0.5	T092-3	BS107P-ND	1.02	.90	.69	.41
200	100	1	1.0	3.0	1	25	100	10	0.625	T092-3	ZVN3320A-ND	.75	.66	.51	.30
240	160	2	1.0	3.0	1	16	250	10	0.7	T092-3	ZVN0124A-ND	.81	.71	.55	.33
240	260	1	0.8	1.8	1	6	100	2.5	0.75	T092-3	ZVN4424A-ND	1.26	1.12	.89	.55
450	90	0.6	1.0	3.0	1	50	100	10	0.7	T092-3	ZVN0545A-ND	1.83	1.66	1.34	.86
P-Channel															
-240	-200	-1	-0.8	-2.5	1	15	100	-3.5	0.75	T092-3	ZVP4424A-ND	1.30	1.16	.92	.56
-450	-45	-0.4	-1.5	-4.5	1	150	50	-10	0.7	T092-3	ZVP0545A-ND	1.81	1.60	1.27	.78

SOT-23-5



BV _{DSS} (V)	I _D (mA)	I _{DM} (A)	V _{GS} (th) @ I _D (mA)		R _{DS} (on) I _D (mA)		V _{GS} (V)	P _D (W)	Packaging Type	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		
			Min.	Max.	Max.	@					1	10		Qty.	Pricing	
N-Channel																
200	60	1.0	1.0	3.0	1.0	25	100	10	0.300	SOT23-3	ZVN3320FCT-ND	.58	.47	ZVN3320FTR-ND	3,000	164.96/M
	320	2.0	1.0	3.0	1.0	10	0.25	10	2.0	SOT-223	ZVN2120GCT-ND	1.07	.96	ZVN2120GTR-ND	1,000	420.81
	320	2.0	0.5	1.5	1.0	10	0.125	3.0	2.0	SOT-223	ZVNL120GCT-ND	1.16	1.03	ZVNL120GTR-ND	1,000	454.47
240	500	1.5	0.8	1.8	1.0	6.0	0.10	2.5	2.5	SOT-223	ZVN4424GCT-ND	1.35	1.21	ZVN4424GTR-ND	1,000	530.78
	300	1.0	0.8	1.8	1.0	6.0	100	2.5	1.0	SOT-89	ZVN4424ZCT-ND	1.01	.88	ZVN4424ZTR-ND	1,000	368.07
250	230	1.44	0.8	1.8	1.0	9.50	20	2.4	1.1	SOT-23-6	ZVN4525E6CT-ND	1.13	.99	ZVN4525E6TR-ND	3,000	374.80/M
	240	1.44	0.8	1.8	1.0	9.50	20	2.4	2.1	SOT-89	ZVN4525ZCT-ND	1.09	.94	ZVN4525ZTR-ND	1,000	395.00
	310	1.44	0.8	1.8	1.0	9.0	310	4.5	2.0	SOT-223	ZVN4525GCT-ND	1.13	.99	ZVN4525GTR-ND	1,000	412.95
450	140	0.6	1.0	3.0	1.0	50	100	10	2.0	SOT-223	ZXMN0545G4CT-ND	1.35	1.21	ZXMN0545G4TR-ND	1,000	530.78
	140	0.6	1.0	3.0	1.0	50	0.10	10	2.0	SOT-223	ZVN0545GCT-ND	1.09	.94	ZVN0545GTR-ND	1,000	395.00
P-Channel																
-200	-200	-1.2	-1.5	-3.5	-1.0	25	-150	-10	2.0	SOT-223	ZVP2120GCT-ND	.89	.77	ZVP2120GTR-ND	1,000	323.18
	-200	-1.2	-1.5	-3.5	-1.0	25	-150	-10	2.0	SOT-223	ZXMP2120G4CT-ND	1.12	1.01	ZXMP2120G4TR-ND	1,000	444.38
	-137	-0.8	-1.5	-3.5	-0.25	28	-150	-10	1.0	SOT23F-3	ZXMP2120FFCT-ND	.79	.69	ZXMP2120FFTR-ND	3,000	260.34/M
	-122	-1.2	-1.5	-3.5	-1.0	28	-150	-10	0.75	SOT-23-5	ZXMP2120E5CT-ND	1.04	.90	ZXMP2120E5TR-ND	3,000	343.38/M
	-120	-1.2	-1.5	-3.5	-1.0	25	-150	-10	0.7	T092-3	ZVP2120ASTB-ND§	1.03	.90	ZVP2120ASTBTR-ND	2,000	395.90/M
	-35	-0.4	-1.5	-3.5	-1.0	80	-50	-10	0.33	SOT23-3	ZVP1320FCT-ND	.74	.60	ZVP1320FTR-ND	3,000	208.73/M
-240	-480	-1.0	-0.7	-2.0	-1.0	11	-100	-3.5	2.5	SOT-223	ZVP4424GCT-ND	1.35	1.21	ZVP4424GTR-ND	1,000	530.78
-250	-197	-1.0	-0.8	-2.0	-0.25	18	-100	-3.5	1.1	SOT-23-6	ZVP4525E6CT-ND	1.13	.99	ZVP4525E6TR-ND	3,000	374.80/M
	-265	-1.0	-0.8	-2.0	-1.0	18	-0.10	-3.5	2.0	SOT-223	ZVP4525GCT-ND	.86	.75	ZVP4525GTR-ND	1,000	314.20
-205	-1.0	-0.8	-2.0	-1.0	18	-100	-3.5	2.1	SOT-89	ZVP4525ZCT-ND	1.13	.99	ZVP4525ZTR-ND	1,000	412.95	
-450	-75	-0.4	-1.5	-4.5	1.0	150	0.05	-10	2.0	SOT-223	ZVP0545GCT-ND	1.08	.97	ZVP0545GTR-ND	1,000	424.18

SOT-23F



Avalanche



BV _{DSS} (V)	I _D (mA)	I _{DM} (A)	V _{GS} (th) @ I _D (mA)		R _{DS} (on) I _D (mA)		V _{GS} (V)	P _D (W)	Packaging Type	Digi-Key Part No.	Loose Piece Price Each				
			Min.	Max.	Max.	@					1	10	100	1,000	
N-Channel															
60	600	8	1.3	3	1	1.5	500	5	0.7	T092-3	ZVN4206AV-ND	.85	.75	.58	.35
	1100	20	1.3	3	1	0.45	1500	5	1.1	T092-3	ZVN4306AV-ND	1.80	1.59	1.26	.77

BV _{DSS} (V)	I _D (mA)	I _{DM} (A)	V _{GS} (th) @ I _D (mA)		R _{DS} (on) I _D (mA)		V _{GS} (V)	P _D (W)	Packaging Type	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		
			Min.	Max.	Max.	@					1	10		Qty.	Pricing	
N-Channel																
60	1000	8.0	1.3	3.0	1.0	1.0	1.5	10	2.0	SOT-223	ZVN4206GVCT-ND	1.17	1.05	ZVN4206GVTR-ND	1,000	461.21
	2100	20	1.3	3.0	1.0	0.33	3.0	10	3.0	SOT-223	ZVN4306GVCT-ND	1.98	1.70	ZVN4306GVTR-ND	1,000	820.30
200	60	1	1	3	1	25	100	10	.300	SOT-23	ZVN3320FCT-ND	.58	.47	ZVN3320FTR-ND	3,000	164.96/M

◆ RoHS Compliant § Tape and Box

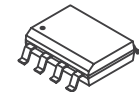
Voltage Supply Monitors



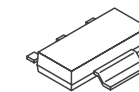
Typical V _{CC} (V)	Threshold Voltage (V)	Typical Hysteresis (mV)	Maximum Output Sink Current (mA)	Input Voltage Range (V)	Maximum Quiescent Current (µA)	Packaging Type	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel	
								1	2.5	100		Qty.	Pricing
3	2.63	20	60	1 - 6.5	200	SO-8	ZSM300N8CT-ND	3.39	2.55	1.53	ZSM300N8TR-ND	500	593.85
	2.68	20	60	1 - 10	190	SOT-223	ZM331643GCT-ND	1.46	1.31	1.04	—	—	—
3.3	3.1	20	50	-1 - 10	180	SO-8	ZSH330N8CT-ND	3.55	2.67	1.60	ZSH330N8TR-ND	500	620.95
5	4.6	20	50	-1 - 10	180	SO-8	ZSH560N8CT-ND	3.55	2.67	1.60	ZSH560N8TR-ND	500	620.95

◆ RoHS Compliant

SO-8 Top View



SOT-223 Top View



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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