



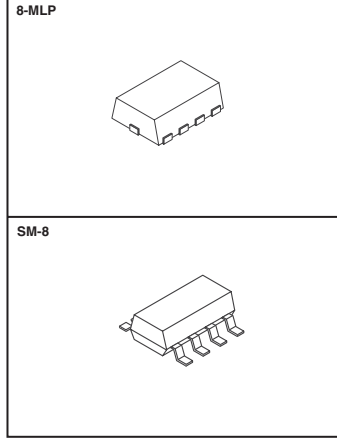
A Product Line of Diodes Incorporated



Diodes Switching (Cont.)



VR Max. (V)	IF Max. (mA)	VF @		Ir @		Pinning Configuration	Packaging Type	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 3,000
		Max. (mV)	IF (mA)	Max. (µA)	Vr (V)				1	10	100		
ZLLS Series — Low Leakage													
40	2200	370	500	40	30	Single	SOT23-6	ZLLS2000CT-ND	.75	.65	.52	ZLLS2000TR-ND	247.01/M
	1160	460	500	20	30	Single	SOT23-3	ZLLS1000CT-ND	.59	.48	.36	ZLLS1000TR-ND	166.88/M
	700	530	500	10	30	Single	SOT23-3	ZLLS500CT-ND	.50	.40	.30	ZLLS500TR-ND	141.27/M
	650	450	30	4	30	Single	SOD-523	ZLLS350TACT-ND	.43	.35	.26	ZLLS350TATR-ND	121.44/M
	520	500	400	10	30	Single	SOD-323	ZLLS400TACT-ND	.43	.35	.26	ZLLS400TATR-ND	121.44/M



Zener

Silicon voltage regulator diodes designed for voltage reference and stabilizer applications. Encapsulated in the popular SOT-23 package, these devices are designed specifically for use in thin and thick film hybrid circuits in both industrial and commercial applications. **Specifications:** • Nominal Tolerance: ±5% • Maximum Power Dissipation at Tamb = 25°C: Ptot 350mW • Operating and Storage Temperature Range: -65°C - 150°C • Maximum Forward Current: IF 350mA

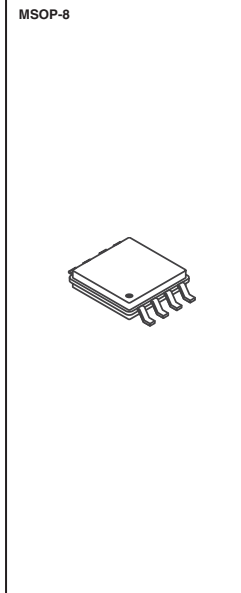
Zener Voltage Vz @ Iz = 5mA			Diff. Resistance rz @ Iz = 5mA Max. (Ω)	Digi-Key Part No.	Cut Tape Price Each		
Nom.	Min.	Max.			1	10	100
Zener Diodes — Silicon Voltage Regulator Diodes — SOT-23 Packaging							
20	18.8	21.2	55	BZX84C20ZXCT-ND	.47	.41	.33
47	44	50	170‡	BZX84C47ZXCT-ND	.47	.41	.33

◆ RoHS Compliant † Banded to tighter capacitance range (Measured at VR=1.5V) ‡ lz at 2mA

MOSFETs

20 Volts

BV DSS (V)	ID (mA)	IDM (A)	VGS (th)		RDS (on)			PD (W)	Packaging Type	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Qty. Pricing
			Min.	Max.	ID (mA)	(Ω)	ID (mA)				VGS (V)	1	10		
N-Channel															
20	8300	50	3	—	0.25	0.300	1800	10	1.1	SO-8	ZXMN2A02N8CT-ND	1.14	1.03	ZXMN2A02N8TR-ND	500 285.83
	6000	27	0.7	—	0.25	0.020	11000	4.5	1.1	MSOP-8	ZXMN2A02X8CT-ND	1.51	1.36	ZXMN2A02X8TR-ND	1,000 596.44
	5400	30	0.7	—	0.25	0.040	3800	4.5	1.1	MSOP-8	ZXM64N02XCT-ND	1.26	1.13	ZXM64N02XTR-ND	1,000 494.83
	4300	26	0.4	1.0	0.25	0.075	3200	1.8	1.1	SOT23-6	ZXMN2B03E6CT-ND	.66	.57	ZXMN2B03E6TR-ND	3,000 216.44/M
	4100	22.6	0.6	1.5	0.25	0.045	2500	4.5	0.96	SOT23-3	ZXMN2F30FHCT-ND	.50	.40	ZXMN2F30FHTR-ND	3,000 113.18/M
	4000	19	0.5	1.5	0.25	0.060	2500	4.5	1.35	DFN322	ZXMN2F34MACT-ND	.48	.39	ZXMN2F34MATR-ND	3,000 135.48/M
	3600	16	0.7	—	0.25	0.055	7200	4.5	1.1	SOT23-6	ZXMN2A03E6CT-ND	.76	.66	ZXMN2A03E6TR-ND	3,000 251.96/M
	3500	21	0.4	1.0	0.25	0.100	2600	1.8	1	SOT23-3	ZXMN2B14FHCT-ND	.73	.64	ZXMN2B14FHTR-ND	3,000 240.40/M
	3400	19	0.7	—	0.25	0.110	2500	2.5	1	SOT23-3	ZXMN2A14FCT-ND	.57	.46	ZXMN2A14FTR-ND	3,000 160.27/M
	3400	18.6	0.5	1.5	0.25	0.060	2500	4.5	0.95	SOT23-3	ZXMN2F34FHCT-ND	.45	.36	ZXMN2F34FHTR-ND	3,000 103.27/M
	2440	10	0.7	—	0.25	0.120	4000	4.5	1.1	SOT23-6	ZXMN2A01E6CT-ND	.66	.53	ZXMN2A01E6TR-ND	3,000 185.88/M
	2100	11.8	0.4	1.0	0.25	0.200	1700	1.8	0.625	SOT23-3	ZXMN2B01FCT-ND	.55	.44	ZXMN2B01FTR-ND	3,000 153.66/M
	1900	8	0.7	—	0.25	0.120	4000	4.5	0.625	SOT23-3	ZXMN2A01FCT-ND	.45	.37	ZXMN2A01FTR-ND	3,000 128.05/M
	1700	7.4	0.7	—	0.25	0.180	930	4.5	0.625	SOT23-3	ZXM61N02FCT-ND	.55	.44	ZXM61N02FTR-ND	3,000 153.66/M
	Dual														
20	7700	38	1.0	—	0.25	0.025	5900	4.5	2.1	SO-8	ZXMN2A04DN8CT-ND	1.79	1.54	ZXMN2A04DN8TR-ND	500 448.16
	3000	13	0.7	—	0.25	0.120	4000	4.5	1.5	8-MLP	ZXMN2AM832CT-ND	.90	.81	ZXMN2AM832TR-ND	3,000 330.44/M
	2400	19	0.7	—	0.25	0.130	1700	4.5	1.04	MSOP-8	ZXM63N02XCT-ND	2.08	1.79	ZXM63N02XTR-ND	1,000 863.27
P-Channel															
-20	-900	-4.9	-0.7	—	0.25	0.6	-610	-4.5	625	SOT23-3	ZXM61P02FCT-ND	.45	.36	ZXM61P02FTR-ND	3,000 102.44/M
	-2300	-13	-0.7	—	0.25	0.2	-1600	-4.5	1.1	SOT23-6	ZXM62P02E6CT-ND	.69	.60	ZXM62P02E6TR-ND	3,000 228.01/M
	-3500	-19	-0.7	—	0.25	0.09	-2400	-4.5	1.1	MSOP-8	ZXM64P02XCT-ND	1.26	1.13	ZXM64P02XTR-ND	1,000 497.31
	-8000	-28	-0.7	—	0.25	0.025	-3200	-4.5	2.5	SO-8	ZXM66P02N8CT-ND	2.49	2.13	ZXM66P02N8TR-ND	500 620.81
Dual															
-20	-1700	-9.6	-0.7	—	0.25	0.27	-1200	-4.5	1.040	MSOP-8	ZXM63P02XCT-ND	1.98	1.49	ZXM63P02XTR-ND	1,000 561.75
N and P Channel Complementary															
20	2400	19	0.7	—	0.25	0.13	1700	4.5	1.04	MSOP-8	ZXM63C02XCT-ND	1.98	1.70	ZXM63C02XTR-ND	1,000 821.97
-20	-1700	-9.6	-0.7	—	-0.25	-0.27	-1200	-4.5	1.04	MSOP-8	ZXM63C02XCT-ND	1.98	1.70	ZXM63C02XTR-ND	1,000 821.97



30 - 50 Volts

BV DSS (V)	ID (mA)	IDM (A)	VGS (th)		RDS (on)			PD (W)	Packaging Type	Digi-Key Part No.	Loose Piece Price Each				
			Min.	Max.	ID (mA)	(Ω)	ID (mA)				VGS (V)	1	10	100	1,000
N-Channel — RoHS Compliant															
35	13000	30	1.0	—	0.250	0.060	3700	10	20	TO-220-3	ZXM64N035L3-ND	1.33	1.21	.97	.63
P-Channel — RoHS Compliant															
-35	-12000	-19	-1.0	—	0.250	0.075	2400	10	20	TO-220	ZXM64P035L3-ND	1.49	1.35	1.08	.70
-45	-230	-3	-1.0	-3.5	1	14	200	-10	0.7	T092-3	BS250P-ND	.73	.64	.51	.31
-50	-175	-0.52	-0.8	-2.0	1	10	100	-5	0.625	T092-3	ZVP4105A-ND	.76	.67	.52	.31

BV DSS (V)	ID (mA)	IDM (A)	VGS (th)		RDS (on)			PD (W)	Package Type	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Qty. Pricing	
			Min.	Max.	ID (mA)	(Ω)	ID (mA)				VGS (V)	1	10			100
N-Channel																
30	18400	66	1	—	250	0.03	9800	4.5	10.1	D-PAK	ZXMN3A04KCT-ND	1.85	1.59	—	—	
	7200	45	0.7	—	0.25	0.025	8900	4.5	2.0	SO-8	ZXMN3B04N8CT-ND◆	1.03	.93	ZXMN3B04N8TR-ND◆	500 258.98	
	4700	16	1	—	0.25	0.11	2200	10	2.0	SOT-223	ZXM62N03GCT-ND◆	.76	.66	ZXM62N03GTR-ND◆	1,000 277.57	
	3800	21	1	3	0.25	0.047	3200	10	0.95	SOT23-3	ZXMN3F30FHCT-ND◆	.50	.40	ZXMN3F30FHTR-ND◆	3,000 113.18/M	
	3700	17	1	—	0.25	0.050	7800	10	1.1	SOT-23-6	ZXMN3A03E6CT-ND◆	.76	.66	ZXMN3A03E6TR-ND◆	3,000 251.96/M	
	3500	16	0.7	—	0.25	0.140	2200	2.5	1.0	SOT23-3	ZXMN3B14FCT-ND◆	.56	.49	ZXMN3B14FTR-ND◆	3,000 185.88/M	
	3200	—	1	—	0.25	0.065	3200	10	1.000	SOT23-3	ZXMN3A14FCT-ND◆	.55	.48	ZXMN3A14FTR-ND◆	3,000 180.09/M	
	2400	10	1	—	0.25	0.12	2000	10	1.1	SOT-23-6	ZXMN3A01E6CT-ND◆	.66	.53	ZXMN3A01E6TR-ND◆	3,000 185.88/M	
	1800	8	1	—	0.25	0.12	2500	10	.625	SOT23-3	ZXMN3A01FCT-ND◆	.45	.37	ZXMN3A01FTR-ND◆	3,000 128.05/M	
	1400	17	1	—	0.25	0.22	9100	10	1.1	SOT23-3	ZXM61N03FCT-ND◆	.55	.44	ZXM61N03FTR-ND◆	3,000 153.66/M	
	2.0	9.4	0.7	—	0.25	0.15	1700	4.5	.625	SOT23-3	ZXMN3B01FCT-ND◆	.52	.42	ZXMN3B01FTR-ND◆	3,000 147.05/M	
	40	10900	35.3	1	—	0.25	0.050	10045	10	4.2	D-PAK	ZXMN4A06KCT-ND◆	1.19	1.07	ZXMN4A06KTR-ND◆	2,500 439.49/M
		6000	37	1	3	0.25	0.027	7000	10	1.56	SO-8	DMN4027SS-13CT-ND◆	.65	.57	DMN4027SS-13TR-ND◆	2,500 215.62/M
		5400	33	1	3	0.25	0.034	6000	10	1.56	SO-8	DMN4034SS-13CT-ND◆	.65	.57	DMN4034SS-13TR-ND◆	2,500 215.62/M
		5000	22	1	—	0.25	0.05	4500	10	2.0	SOT-223	ZXMN4A06GCT-ND◆	.76	.66	ZXMN4A06GTR-ND◆	1,000 277.57
200		0.8	0.5	1.5	1	3.5	200	5	.360	SOT23-3	BSS138ZXCT-ND◆	.48	.35	BSS138XTR-ND◆	3,000 81.79/M	

◆ RoHS Compliant § Tape and Box (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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