

Fig.	Package	Reverse Voltage VRWM (V)	Average Forward Current IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Voltage Max. @ VF (Vdc)	@ IF	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel§	
									1	10	100	Qty.	Pricing
20	POWERMITE	20	1	—	50	0.65	3A	MBRM120L3GOSCT-ND◆	.52	4.11	28.08	12,000	104.09/M
	POWERMITE	30	1	325	50	0.38	1A	MBRM130LT1GOSCT-ND◆	.52	4.11	28.08	3,000	118.96/M
	POWERMITE	40	1	475	50	0.55	1A	MBRM140T1GOSCT-ND◆	.50	3.90	26.65	3,000	113.18/M
	POWERMITE	40	1	—	50	0.36	0.1A	MBRM140T3GOSCT-ND◆	.50	3.90	26.65	12,000	99.14/M
21	SOD-523	20	0.5	—	2	0.48	500mA	NSR0520V2T1GOSCT-ND◆	.41	2.92	19.50	3,000	70.22/M
	SOD-523	30	0.2	200	0.6	0.35	10mA	BAT54XV2T1GOSCT-ND◆	.56	3.82	17.99	3,000	52.85/M
	SOD-523	30	200	200	—	0.6	200mA	RB520S30T1GOSCT-ND◆	.32	2.20	10.35	3,000	30.40/M
	SOD-523	30	0.2	200	—	0.5	200mA	RB521S30T1GOSCT-ND◆	.32	2.20	10.35	3,000	30.40/M
	SOD-523	40	0.25	—	1.0	0.7	200mA	NSR0240V2T1GOSCT-ND◆	.41	2.92	19.50	3,000	70.22/M
	SOD-523	40	0.25	—	1.0	0.51	200mA	NSR0340V2T1GOSCT-ND◆	.41	2.92	19.50	3,000	70.22/M
	SOD-523	40	0.03	200	—	0.37	1mA	RB751S40T1GOSCT-ND◆	.39	2.63	12.34	3,000	36.27/M
	SOD-923	30	0.1	200	1.0	0.525	100mA	NSR0130P2T5GOSCT-ND◆	.41	2.92	19.50	8,000	66.09/M
22	SOD-923	30	0.2	200	1.0	0.5	200mA	NSR0230P2T5GOSCT-ND◆	.41	2.92	19.50	8,000	66.09/M
	SOD-923	30	0.5	—	—	0.62	500mA	NSR0530P2T5GOSCT-ND◆	.41	2.92	19.50	8,000	66.09/M
	SOD-923	40	0.07	100	0.5	0.35	1mA	NSR0140P2T5GOSCT-ND◆	.41	2.92	19.50	8,000	66.09/M
	SOT-563	23	1	200	—	0.27	10mA	NSR0320XV6T1GOSCT-ND◆	.32	2.50	17.13	—	—
25	SOT-416	30	0.2	225	0.6	0.8	100mA	BAT54CTT1GOSCT-ND◆	.51	3.49	16.41	3,000	47.92/M

◆ RoHS Compliant § For Tape and Reel part number, change CT-ND to TR-ND. † Bulk



Switching Diodes

Fig.	Package	Working Peak Reverse Voltage VRWM (V)	Average Rectified Forward Current IF (mA)	Power Dissipation (mW)	Peak Surge Current IFSM (mA)	Maximum Instantaneous Forward Voltage Drop (VF)	IF (mAdc)	Pinning			Digi-Key Part No.	Cut Tape Pricing			Tape and Reel§	
								1	2	3		1	10	100	Qty.	Pricing
13	SOT-323	30	200	200	—	0.8	100	A	A	K	BAT540WT1GOSCT-ND◆	.42	2.88	13.56	3,000	39.66/M
	SOT-323	40	100	150	500	1.2	100	A	—	K	M1M141KT1GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
	SOT-323	70	200	200	500	0.8	10	A	A	K	BAV70WT1GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
	SOT-323	70	215	200	500	0.8	10	K	A	K/A	BAV99WT1GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
	SOT-323	70	215	200	500	0.855	10	A	K	K/A	BAV99WT1GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
	SOT-323	70	200	200	500	0.8	10	K	—	A	BAW56WT1GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
15	SOT-23	7	—	225	—	0.6	10	A	K	K/A	MMBD352LT1GOSCT-ND◆	.42	2.97	19.76	3,000	71.05/M
	SOT-23	30	200	225	—	0.8	100	A	A	K	BAT54CLT1GOSCT-ND◆	.34	2.30	10.85	3,000	32.22/M
	SOT-23	30	150	225	450	1.2	100	A	A	K	MMBD2837LT1GOSCT-ND◆	.41	2.68	11.69	3,000	31.40/M
	SOT-23	35	100	225	—	1.2	100	K	K	A	MMBD2835LT1GOSCT-ND◆	.41	2.68	11.69	3,000	31.40/M
	SOT-23	50	100	225	300	1.2	100	A	A	K	MMBD2838LT1GOSCT-ND◆	.41	2.68	11.69	3,000	31.40/M
	SOT-23	50	200	225	500	1	100	A	A	K	BAV74LT1GOSCT-ND◆	.32	2.13	9.28	3,000	25.05/M
	SOT-23	70	200	225	500	0.7	1	A	—	K	MMBD6050LT1GOSCT-ND◆	.41	2.73	11.86	3,000	32.22/M
	SOT-23	70	200	225	500	0.7	1	A	A	K	MMBD6100LT1GOSCT-ND◆	.40	2.67	11.60	3,000	31.40/M
	SOT-23	70	215	225	500	1	10	A	K	K/A	BAV199LT1GOSCT-ND◆	.56	3.83	18.06	3,000	53.04/M
	SOT-23	70	200	225	500	0.8	10	A	A	K/A	BAV70LT1GOSCT-ND◆	.30	1.95	8.48	3,000	22.89/M
	SOT-23	70	215	225	500	0.8	10	A	K	K/A	BAV99LT1GOSCT-ND◆	.33	2.20	9.55	3,000	25.79/M
	SOT-23	70	—	225	—	1	15	A	K	K/A	BAS70-04LT1GOSCT-ND◆	.38	2.71	16.27	3,000	54.53/M
	SOT-23	70	200	225	500	0.8	10	K	K	A	BAW56LT1GOSCT-ND◆	.30	1.95	8.48	3,000	22.89/M
	SOT-23	70	100	225	—	0.8	10	—	K	A	BAL99LT1GOSCT-ND◆	.40	2.67	11.60	3,000	31.32/M
	SOT-23	30	150	225	—	1	10	A	A	K	MMBD2837LT1GOSCT-ND	.34	2.21	9.63	—	—
	SOT-23	50	100	225	—	1	10	A	A	K	MMBD2838LT1GOSCT-ND	.34	2.21	9.63	—	—
	SOT-23	70	215	300	500	1.25	150	A	K	K/A	BAV99LT3GOSCT-ND◆	.33	2.20	9.55	10,000	19.00/M
	SOT-23	75	100	225	—	1.2	100	K	K	A	MMBD2836LT1GOSCT-ND◆	.39	2.57	11.15	3,000	29.74/M
	SOT-23	75	200	225	500	1	10	A	—	K	BAS116LT1GOSCT-ND◆	.51	3.46	16.27	3,000	47.80/M
	SOT-23	75	200	300	500	1.25	150	A	—	K	BAS16LT3GOSCT-ND◆	.32	2.13	9.28	10,000	18.18/M
	SOT-23	75	200	225	500	0.8	10	A	—	K	BAS16LT1GOSCT-ND◆	.32	2.13	9.28	3,000	25.05/M
	SOT-23	100	200	225	500	1	10	A	—	K	MMBD914LT1GOSCT-ND◆	.31	2.07	9.01	3,000	23.96/M
	SOT-23	100	200	225	500	0.7	1	A	K	K/A	MMBD7000LT1GOSCT-ND◆	.32	2.13	9.28	3,000	24.79/M
	SOT-23	100	200	225	500	1	10	A	—	K	MMBD914LT3GOSCT-ND◆	.31	2.07	9.01	10,000	18.18/M
SOT-23	120	200	225	625	1	100	A	—	K	BAS19LT1GOSCT-ND◆	.32	2.13	9.28	3,000	25.05/M	
SOT-23	200	200	225	625	1	100	A	—	K	BAS20LT1GOSCT-ND◆	.32	2.13	9.28	3,000	25.05/M	
SOT-23	250	200	225	625	1	100	A	—	K	BAS21LT1GOSCT-ND◆	.30	1.95	8.48	3,000	22.89/M	
SOT-23	250	225	225	625	1	100	A	K	K/A	BAS21SLT1GOSCT-ND◆	.31	2.11	9.92	3,000	28.92/M	
16	SOD-123	100	200	225	500	1	10	K	A	—	MMSD4148T1GOSCT-ND◆	.35	2.34	10.99	3,000	32.22/M
	SOD-123	100	200	225	500	1	10	K	A	—	MMSD914T1GOSCT-ND◆	.35	2.34	10.99	3,000	32.22/M
	SOD-123	100	200	425	1,000	1	10	K	A	—	MMSD4148T3GOSCT-ND◆	.35	2.34	10.99	10,000	23.14/M
	SOD-123	250	200	400	625	1.25	200	K	A	—	MMSD103T1GOSCT-ND◆	.35	2.36	11.14	3,000	33.05/M
	SOD-323	75	200	200	500	0.8	10	K	A	—	BAS16HT1GOSCT-ND◆	.40	2.61	11.33	3,000	30.60/M
17	SOD-323	100	200	200	500	1	10	K	A	—	MMDL914T1GOSCT-ND◆	.40	2.61	11.33	3,000	30.57/M
	SOD-323	200	200	200	625	1.25	200	K	A	—	BAS20HT1GOSCT-ND◆	.36	2.45	11.49	3,000	33.87/M
	SOD-323	250	200	200	625	1	100	K	A	—	BAS21HT1GOSCT-ND◆	.36	2.45	11.49	3,000	33.76/M
	SOD-323	250	200	200	625	1	200	K	A	—	BAS21AHT1GOSCT-ND◆	.35	2.35	11.06	3,000	32.22/M
	SOD-523	75	200	120	500	0.715	1	K	A	—	BAS16XV2T1GOSCT-ND◆	.43	2.81	12.23	3,000	33.01/M
21	SOD-523	100	200	200	500	1.2	100	K	A	—	1SS400T1GOSCT-ND◆	.39	2.63	12.34	3,000	36.27/M
	SOD-523	100	200	120	500	1	10	K	A	—	NSD914XV2T1GOSCT-ND◆	.62	4.19	19.70	3,000	57.87/M
	SOT-563	75	200	357	500	0.715	1	—	—	—	BAS16XV6T1GOSCT-ND◆	.46	3.28	19.69	4,000	65.27/M
23	SOT-563	80	100	357	300	1.2	100	—	—	—	NSDEMP11XV6T1OSCT-ND	.40	2.85	18.98	—	—
	SC-88	80	100	300	240	1.2	100	—	—	—	HN2002FUWT1T1GOSCT-ND◆	.50	3.59	21.57	3,000	71.87/M
25	SOT-416	70	200	360	500	1.25	150	A	A	K	BAV70T1GOSCT-ND◆	.34	2.24	9.72	3,000	26.44/M
	SOT-416	80	100	150	2,000	1.2	100	K	K	A	DAP222OSCT-ND	.35	2.29	9.94	—	—
	SOT-416	80	100	150	2,000	1.2	100	K	K	A	DAP222GOSCT-ND◆	.34	2.24	9.72	3,000	26.26/M
26	SOT-353	250	200	385	625	1	100	—	—	—	BAS21DW5T1GOSCT-ND◆	.43	2.92	13.77	3,000	40.46/M

◆ RoHS Compliant § For Tape and Reel part number, change CT-ND to TR-ND.

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