



Fig.	Package	Working Peak Reverse Voltage VRWM	Average Rectified Forward Current IO (A)	Peak Surge Current IFSM (A)	Maximum Instantaneous Forward Voltage Drop VF (V)	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel§	
							1	10	100	Qty.	Pricing
12	TO-218	600	15	200	1.5	MUR3060PTGOS-ND♦†	3.19	28.45	233.31	—	—
19	TO-220FP	200	16	100	0.975	MURF1620CTGOS-ND♦†	1.19	10.75	86.37	—	—
	TO-220FP	600	16	100	1.50	MURF1660CTGOS-ND♦†	1.32	11.93	95.87	—	—
<b>Silicon Tuning Diode — RoHS Compliant</b>											
15	SOT-23	30	0.2	—	—	MMBV1056LT1GOSCT-ND	.33	2.54	17.37	3,000	73.46/M

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

Schottky Barrier Diodes



Fig.	Package	Reverse Voltage VRWM (V)	Average Forward Current IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Voltage Max.		Pinning 1 2 3	Digi-Key Part No.	Cut Tape Pricing			Tape and Reel§			
						@ VF (Vdc)	@ IF (mA)			1	10	100	Qty.	Pricing		
9	TO-220	100	15	—	250	0.88	0.93	A	K/A	K	MBRF30H100CTGOS-ND	.73	6.51	51.50	—	—
13	SOT-323	30	0.2	200	0.6	0.5	30	A	K	K/A	BAT54SWT1GOSCT-ND	.35	2.42	11.38	3,000	33.42/M
	SOT-323	30	0.2	200	0.6	0.5	30	A	—	K	BAT54WT1GOSCT-ND	.33	2.20	10.35	3,000	30.42/M
15	SOT-23	7	—	225	—	0.6	10	A	—	K	MMBD101LT1GOSCT-ND	.47	3.22	15.15	3,000	44.36/M
	SOT-23	30	—	200	—	0.45	1	A	—	K	MMBD301LT1GOSCT-ND	.45	3.06	14.37	3,000	42.28/M
	SOT-23	70	—	200	—	0.5	1	A	—	K	MMBD701LT1GOSCT-ND	.40	2.67	12.57	—	—
	SOT-23	40	0.12	225	0.2	0.5	10	A	K	A/K	BAS40-04LT1GOSCT-ND	.32	2.27	13.65	3,000	45.51/M
	SOT-23	40	0.12	225	0.2	0.5	10	K	K	A	BAS40-06LT1GOSCT-ND	.32	2.27	13.65	3,000	45.51/M
	SOT-23	40	0.12	225	0.2	0.5	10	A	—	K	BAS40LT1GOSCT-ND	.47	3.22	15.15	3,000	44.50/M
	SOT-23	70	—	225	—	0.75	10	A	—	K	BAS70LT1GOSCT-ND	.47	3.22	15.15	3,000	44.50/M
	SOT-23	30	0.2	225	0.6	0.4	10	K	K	A	BAT54ALT1GOSCT-ND	.28	1.93	9.11	3,000	26.74/M
	SOT-23	30	0.2	225	0.6	0.5	30	A	K	K/A	BAT54SLT1GOSCT-ND	.28	1.93	9.11	3,000	26.74/M
	SOT-23	30	0.2	200	0.3	0.5	30	A	—	K	BAT54LT1GOSCT-ND	.28	1.93	9.11	3,000	26.74/M



Fig.	Package	Reverse Voltage VRWM (V)	Average Forward Current IO (A)	Power Dissipation (mW)	Peak Surge Current IFSM (A)	Forward Voltage Max.		Digi-Key Part No.	Cut Tape Pricing			Tape and Reel§		
						@ VF (Vdc)	@ IF (mA)		1	10	100	Qty.	Pricing	
1	SMA	10	2	—	160	0.325	1A	MBRA210LT3GOSCT-ND♦	.48	3.85	28.85	5,000	126.82/M	
	SMA	30	1	—	300	0.41	1A	MBRA130LT3GOSCT-ND♦	.32	2.49	17.05	5,000	67.92/M	
	SMA	40	1	—	500	0.55	1A	MBRA140T3GOSCT-ND♦	.33	2.61	17.87	5,000	70.69/M	
	SMA	40	3	—	—	100	0.45	3A	MBRA340T3GOSCT-ND♦	.48	3.85	28.85	5,000	126.82/M
	SMA	60	1	—	—	40	0.72	1A	SS16T3GOSCT-ND♦	.39	2.74	18.26	5,000	62.37/M
	SMA	60	1	—	—	60	0.51	1A	MBRA160T3GOSCT-ND♦	.35	2.79	20.97	5,000	92.17/M
3	DO-41	20	1	—	—	0.45	1A	1N5817RLGOSCT-ND♦	.44	3.06	20.44	5,000	69.30/M	
	DO-41	20	1	—	—	0.75	3A	1N5817GOS-ND♦†	.39	2.74	17.98	—	—	
	DO-41	30	1	—	—	0.55	1A	1N5818RLGOSCT-ND♦	.44	3.06	20.44	5,000	69.30/M	
	DO-41	30	1	—	—	0.875	3A	1N5818GOS-ND♦†	.39	2.74	17.98	—	—	
	DO-41	40	1	—	—	0.6	1A	1N5819RLGOSCT-ND♦	.42	3.01	20.06	5,000	67.92/M	
	DO-41	40	1	—	—	0.9	3A	1N5819GOS-ND♦†	.39	2.74	17.98	—	—	
	DO-41	50	1	—	—	1.000	3A	MBR150GOS-ND♦†	.30	2.33	15.98	—	—	
	DO-41	50	1	750	—	25	0.75	1A	MBR150RLGOSCT-ND♦	.33	2.61	17.80	5,000	70.69/M
	DO-41	60	1	750	—	25	0.75	1A	MBR160RLGOSCT-ND♦	.33	2.61	17.80	5,000	70.69/M
	DO-41	60	1	—	—	25	1.0	3A	MBR160GOS-ND♦†	.30	2.33	15.98	—	—
4	DO-41	100	1	500	—	0.79	1A	MBR1100RLGOSCT-ND♦	.43	3.39	23.17	5,000	92.17/M	
	DO-41	100	1	—	50	0.51	8A	MBR1100GOS-ND♦†	.39	3.03	20.80	—	—	
	DPAK	20	3	1,000	75	0.6	3A	MBRD320T4GOSCT-ND♦	.69	5.94	46.86	2,500	226.62/M	
	DPAK	20	3	4,000	75	0.7	3A	MBRD620CTT4GOSCT-ND♦	.67	6.02	47.81	2,500	248.10/M	
	DPAK	30	3	1,000	75	0.6	3A	MBRD330T4GOSCT-ND♦	.69	5.94	46.86	2,500	226.62/M	
	DPAK	35	8	3,750	75	0.51	8A	MBRD835LT4GOSCT-ND♦	.64	5.54	43.74	2,500	211.37/M	
	DPAK	35	5	2,000	50	0.47	5A	MBRD1035CTLT4GOSCT-ND♦	.91	8.14	64.66	2,500	335.42/M	
	DPAK	35	10	—	50	0.56	10A	MBRD1035CTLGOS-ND♦	.84	7.42	58.68	—	—	
	DPAK	35	8	—	75	0.51	8A	MBRD835LGOS-ND♦†	.58	5.10	39.36	—	—	
	DPAK	40	3	—	75	0.7	6A	MBRD340GOS-ND♦	.58	5.10	39.36	—	—	
	DPAK	40	3	1,000	75	0.6	3A	MBRD340T4GOSCT-ND♦	.64	5.54	43.74	2,500	211.37/M	
	DPAK	40	3	4,000	75	0.7	3A	MBRD640CTT4GOSCT-ND♦	.67	6.02	47.81	2,500	248.10/M	
	DPAK	40	6	—	75	0.9	6A	MBRD640CTGOS-ND♦	.62	5.49	43.38	—	—	
	DPAK	45	10	—	70	0.84	20A	MBRD1045T4GOSCT-ND♦	.67	5.95	47.25	2,500	245.33/M	
	DPAK	60	3	—	75	0.7	6A	MBRD360GOS-ND♦	.58	5.10	39.36	—	—	
	DPAK	60	3	1,000	75	0.6	3A	MBRD360T4GOSCT-ND♦	.64	5.54	43.74	2,500	211.37/M	
	DPAK	60	3	4,000	75	0.7	3A	MBRD660CTT4GOSCT-ND♦	.67	6.02	47.81	2,500	248.10/M	
	DPAK	60	6	—	75	0.9	6A	MBRD660CTGOS-ND♦	.62	5.49	43.38	—	—	
DPAK	60	6	—	75	0.9	6A	MBRD660CTRLGOSCT-ND♦	.67	6.02	47.81	1,800	265.42/M		
5	D2PAK	10	1	—	50	0.365	1A	MBRM110LT1GOSCT-ND♦	.44	3.44	23.56	3,000	99.80/M	
	D2PAK	30	40	—	300	0.46	20A	MBRB4030T4GOSCT-ND♦	2.41	21.73	177.05	800	965.76	
	D2PAK	35	12.5	7,500	150	0.55	25A	MBRB2535CTLT4GOSCT-ND♦	2.16	18.46	150.78	800	775.61	
	D2PAK	35	12.5	—	150	0.55	25A	MBRB2535CTLGOS-ND♦	1.91	17.23	138.48	—	—	
	D2PAK	45	15	16,000	150	0.82	30A	MBRB2545CTLT4GOSCT-ND♦	1.23	10.51	85.83	800	441.30	
	D2PAK	45	30	—	150	0.82	30A	MBRB2545CTGOS-ND♦	1.09	9.81	78.83	—	—	
	D2PAK	45	7.5	8,000	150	0.84	15A	MBRB1545CTT4GOSCT-ND♦	1.00	9.02	71.58	800	352.04	
	D2PAK	45	15	—	150	0.84	15A	MBRB1545CTGOS-ND♦	.93	8.22	64.95	—	—	
	D2PAK	45	10	—	150	0.84	20A	MBRB1045GOS-ND♦	.93	8.22	64.95	—	—	
	D2PAK	45	10	—	150	0.84	20A	MBRB1045T4GOSCT-ND♦	1.00	9.02	71.58	800	352.04	
	D2PAK	60	20	—	150	0.95	20A	MBRB2060CTGOS-ND♦	1.76	15.90	127.82	—	—	
	D2PAK	100	10	13,000	150	0.85	10A	MBRB20100CTT4GOSCT-ND♦	1.52	13.10	106.94	800	549.96	
	D2PAK	100	20	—	150	0.95	20A	MBRB20100CTGOS-ND♦	1.31	11.82	95.01	—	—	
	D2PAK	200	10	6,000	150	0.9	10A	MBRB20200CTT4GOSCT-ND♦	1.39	11.93	97.42	800	501.18	
D2PAK	200	20	—	150	1.0	20A	MBRB20200CTGOS-ND♦	1.23	11.14	89.47	—	—		
6	DO-201AD	20	3	—	80	0.475	3A	1N5820RLGOSCT-ND♦	.39	3.10	23.29	1,500	119.89/M	
	DO-201AD	20	3	—	80	0.850	9.4A	1N5820GOS-ND♦†	.33	2.82	21.17	—	—	
	DO-201AD	30	3	—	80	0.850	9.4A	1N5821GOS-ND♦†	.33	2.82	21.17	—	—	
	DO-201AD	30	3	—	80	0.5	3A	1N5821RLGOSCT-ND♦	.39	3.10	23.29	1,500	119.89/M	
	DO-201AD	40	3	—	80	0.525	3A	1N5822RLGOSCT-ND♦	.39	3.10	23.29	1,500	119.89/M	
	DO-201AD	40	3	—	80	0.525	3A	1N5822GOS-ND♦†	.33	2.82	21.17	—	—	
DO-201AD	40	3	1,250	80	0.5	1A	MBR340GOS-ND♦†	.30	2.55	19.11	—	—		

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

(Continued)

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