



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	
6	DO-201AD	45	8	—	140	0.55	8A	80SQ045NGOS-ND†	1.00	8.78	67.73	—	—
	DO-201AD	50	3	1,500	80	0.6	1A	MBR350RLGOSCT-ND	.57	4.53	34.04	1,500	175.06/M
	DO-201AD	60	3	—	80	1.080	9.4A	MBR360GOS-ND†	.49	4.13	30.94	—	—
	DO-201AD	60	3	1,500	80	0.6	1A	MBR360RLGOSCT-ND	.57	4.53	34.04	1,500	175.06/M
	DO-201AD	100	3	1,500	150	0.79	3A	MBR3100RLGOSCT-ND	.80	6.89	54.36	1,500	289.52/M
	DO-201AD	100	3	—	150	0.79	3A	MBR3100GOS-ND†	.73	6.34	48.91	—	—
7	SMB	20	1	525	40	0.6	1A	MBRS120T3GOSCT-ND	.59	4.71	32.24	2,500	136.91/M
	SMB	30	1	525	40	0.6	1A	MBRS130T3GOSCT-ND	.54	4.24	29.02	2,500	122.32/M
	SMB	30	2	250	40	0.395	1A	MBRS130LT3GOSCT-ND	.54	4.24	29.02	2,500	122.32/M
	SMB	30	2	—	40	0.6	4A	MBRS230LT3GOSCT-ND	.63	5.06	38.00	2,500	178.43/M
	SMB	40	1	500	40	0.6	1A	MBRS140T3GOSCT-ND	.62	4.84	33.08	2,500	140.28/M
	SMB	40	2	800	25	0.43	2A	MBRS240LT3GOSCT-ND	.58	4.67	35.03	2,500	164.96/M
	SMB	40	2	—	75	0.5	2A	SS24T3GOSCT-ND	.61	4.80	32.90	2,500	139.15/M
	SMB	40	2	625	70	0.43	2A	MBRS2040LT3GOSCT-ND	.58	4.67	35.03	2,500	164.96/M
	SMB	60	2	—	60	0.63	2A	MBRS260T3GOSCT-ND	.59	4.72	35.44	2,500	166.08/M
	SMB	60	2	—	40	0.51	1A	SS26T3GOSCT-ND	.65	5.09	34.83	2,500	147.01/M
	SMB	90	2	1,200	50	0.75	1A	MBRS190T3GOSCT-ND	.68	5.46	40.95	2,500	191.89/M
	SMB	100	2	—	130	0.79	2A	MBRS2H100T3GOSCT-ND	.89	7.06	52.91	2,500	248.00/M
	SMB	100	1	1,200	50	0.75	1A	MBRS1100T3GOSCT-ND	.65	5.09	34.83	2,500	147.01/M
	SMB	200	3	—	100	0.86	4A	MBRS3200T3GOSCT-ND	1.22	10.58	83.51	2,500	403.98/M
8	TO-220AC	15	25	—	150	0.45	25A	MBR2515LGDOS-ND†	3.24	29.27	235.19	—	—
	TO-220AC	35	7.5	1,800	150	0.84	15A	MBR735GOS-ND†	1.00	8.78	67.73	—	—
	TO-220AC	35	10	—	150	0.84	20A	MBR1035GOS-ND†	1.11	9.75	75.26	—	—
	TO-220AC	35	16	9,000	150	0.63	16A	MBR1635GOS-ND†	1.31	11.67	92.20	—	—
	TO-220AC	45	7.5	1,800	150	0.84	15A	MBR745GOS-ND†	.94	8.29	63.97	—	—
	TO-220AC	45	10	5,500	150	0.84	20A	MBR1045GOS-ND†	1.11	9.75	75.26	—	—
	TO-220AC	45	16	9,000	150	0.63	16A	MBR1645GOS-ND†	1.31	11.67	92.20	—	—
	TO-220AC	60	10	—	150	0.8	10A	MBR1060GOS-ND†	1.05	9.34	73.76	—	—
	TO-220AC	90	10	5,000	150	0.8	10A	MBR1090GOS-ND†	1.37	12.14	95.97	—	—
	TO-220AC	100	10	5,000	150	0.8	10A	MBR10100GOS-ND†	1.34	11.79	93.23	—	—
	TO-220AC	250	40	—	150	0.97	40A	MBR40250GOS-ND	2.42	21.85	175.61	—	—
9	TO-220AB	30	10	3,750	150	0.52	10A	MBR2030CTGOS-ND†	2.33	21.04	169.04	—	—
	TO-220AB	35	12.5	5,000	150	0.47	12.5A	MBR2535CTGOS-ND†	1.91	17.21	138.31	—	—
	TO-220AB	35	30	—	150	0.82	30A	MBR2535CTGOS-ND†	1.82	16.39	131.71	—	—
	TO-220AB	45	30	—	150	0.82	30A	MBR2545CTGOS-ND†	1.51	13.40	105.85	—	—
	TO-220AB	45	10	—	150	0.84	20A	MBR2045CTGOS-ND†	1.04	9.12	70.38	—	—
	TO-220AB	45	7.5	9,000	150	0.84	15A	MBR1545CTGOS-ND†	.98	8.54	65.87	—	—
	TO-220AB	60	10	6,000	150	0.85	10A	MBR2060CTGOS-ND†	1.71	15.13	119.51	—	—
	TO-220AB	80	10	—	150	0.95	20A	MBR2080CTGOS-ND	1.77	16.00	128.57	—	—
	TO-220AB	100	8	400	150	0.74	8A	MBR16100CTGOS-ND†	2.03	18.34	147.38	—	—
	TO-220AB	100	10	6,000	150	0.85	10A	MBR20100CTGOS-ND†	1.12	9.94	78.54	—	—
	TO-220AB	100	60	—	350	0.98	60A	MBR60H100CTGOS-ND	2.38	21.47	172.48	—	—
	TO-220AB	200	10	—	150	0.9	10A	MBR20200CTGOS-ND†	2.08	18.73	150.53	—	—
	TO-220AB	250	40	—	150	0.97	40A	MBR40250T0GOS-ND	2.42	21.85	175.61	—	—
	11	SMC	10	4	—	150	0.35	8A	MBRS410T3GOSCT-ND	1.95	17.49	138.90	2,500
SMC		20	4	2,500	80	0.5	3A	MBRS320T3GOSCT-ND	.77	6.23	46.72	2,500	219.95/M
SMC		30	4	2,500	80	0.5	3A	MBRS330T3GOSCT-ND	.77	6.23	46.72	2,500	219.95/M
SMC		40	4	2,500	80	0.525	3A	MBRS340T3GOSCT-ND	.63	5.05	37.84	2,500	177.30/M
SMC		40	5	—	190	0.5	5A	MBRS540T3GOSCT-ND	.89	7.06	52.91	2,500	248.00/M
SMC		60	4	2,500	80	0.74	3A	MBRS360T3GOSCT-ND	.73	5.86	43.96	2,500	206.48/M
SMC		100	3	—	130	0.79	3A	MBRS3100T3GOSCT-ND	.93	8.08	63.77	2,500	308.60/M
SMC		200	3	—	100	0.84	3A	MBRS3201T3GOSCT-ND	1.09	9.43	74.39	2,500	359.10/M
12	SOT-93	45	15	10,000	200	0.76	30A	MBR3045PTGOS-ND†	3.46	31.20	250.70	—	—
14	SOT-363	30	0.2	150	0.6	0.4	10mA	MB054DWT1GOSCT-ND	.59	4.19	27.87	3,000	99.88/M
16	SOD-123	20	0.5	140	5.5	0.385	0.5A	MBR0520LT1GOSCT-ND	.49	3.53	21.23	3,000	70.79/M
	SOD-123	30	0.5	175	5.5	0.43	0.5A	MBR0530LT1GOSCT-ND	.52	3.73	22.33	3,000	74.42/M
	SOD-123	30	1.0	—	5.5	0.47	1A	MBR130T1GOSCT-ND	.49	3.85	26.33	3,000	111.10/M
	SOD-123	30	0.2	400	0.6	0.4	10mA	BAT54T1GOSCT-ND	.81	5.48	25.79	3,000	75.77/M
	SOD-123	30	0.2	140	5.5	0.6	10mA	MMSD301T1GOSCT-ND	.49	3.49	20.94	3,000	69.58/M
	SOD-123	40	0.5	2,250	5.5	0.62	1A	MBR0540T1GOSCT-ND	.55	3.89	23.34	3,000	77.81/M
	SOD-123FL	20	1	—	40	0.53	1A	MBR120ESFT1GOSCT-ND	.49	3.92	26.80	3,000	113.34/M
	SOD-123FL	20	1	—	45	0.34	1A	MBR120VLSFT1GOSCT-ND	.56	4.40	30.11	3,000	127.93/M
	SOD-123FL	20	1	—	50	0.65	3A	MBR120LSFT1GOSCT-ND	.53	4.16	28.50	3,000	120.07/M
	SOD-123FL	30	1	—	40	0.38	1A	MBR130LSFT1GOSCT-ND	.59	4.70	32.14	3,000	135.78/M
	SOD-123FL	30	2	—	40	0.43	2A	MBR230LSFT1GOSCT-ND	.70	4.89	32.60	3,000	117.83/M
	SOD-123FL	40	1	—	30	0.55	1A	MBR140SFT1GOSCT-ND	.50	4.02	27.46	3,000	116.71/M
	17	SOD-323	20	1	200	5	0.54	1000mA	NSR1020MW2T1GOSCT-ND	.62	4.39	26.33	3,000
SOD-323		20	1	200	—	0.50	900mA	NSR0320MW2T1GOSCT-ND	.62	4.39	26.33	3,000	87.53/M
SOD-323		30	—	200	0.6	0.4	10mA	BAT54HT1GOSCT-ND	.66	4.51	21.23	3,000	62.37/M
SOD-323		30	—	200	—	0.6	10mA	MMDL301T1GOSCT-ND	.63	4.24	19.97	3,000	58.36/M
SOD-323		40	—	200	—	0.37	1mA	RB751V40T1GOSCT-ND	.63	4.24	19.97	3,000	58.68/M
SOD-323		40	0.25	—	1	0.71	200mA	NSR0240HT1GOSCT-ND	.53	3.57	16.77	3,000	49.38/M
SOD-323		40	0.25	—	1	0.59	200mA	NSR0340HT1GOSCT-ND	.53	3.57	16.77	3,000	49.38/M
18	SOD-323	70	—	200	—	1.0	10mA	MMDL770T1GOSCT-ND	.63	4.24	19.97	3,000	58.36/M
	TO-92-2	30	—	280	—	0.6	10mA	MBD301GOS-ND†	.59	4.28	25.18	—	—
19	TO-220FP	45	12.5	—	150	0.7	12.5A	MBRF2545CTGOS-ND†	1.46	12.96	102.44	—	—
	TO-220FP	60	15	—	260	0.71	30A	MBRF30H60CTGOS-ND†	1.71	15.13	119.51	—	—
	TO-220FP	100	10	—	150	0.85	10A	MBRF20100CTGOS-ND†	1.35	11.88	93.91	—	—
	TO-220FP	200	10	—	150	0.9	10A	MBRF20200CTGOS-ND†	2.33	21.07	169.33	—	—
	TO-220FP	250	40	—	150	0.97	40A	MBRF40250T0GOS-ND	3.32	30.05	241.47	—	—
20	POWERMITE	10	1	—	50	0.53	1A	MBRM110ET1GOSCT-ND	.71	5.58	38.14	3,000	161.59/M
	POWERMITE	20	1	325	50	0.45	1A	MBRM120LT1GOSCT-ND	.71	5.58	38.14	3,000	161.59/M
	POWERMITE	20	1	—	50	0.595	2A	MBRM120ET1GOSCT-ND	.71	5.58	38.14	3,000	161.59/M
	POWERMITE	20	1	375	50	0.53	1A	MBRM120ET3GOSCT-ND	.71	5.58	38.14	12,000	141.40/M

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

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