



MMBZ5229AW SERIES

Surface Mount Silicon Zener Diodes
Voltage 4.3 to 51 volts Power 200 mWatts

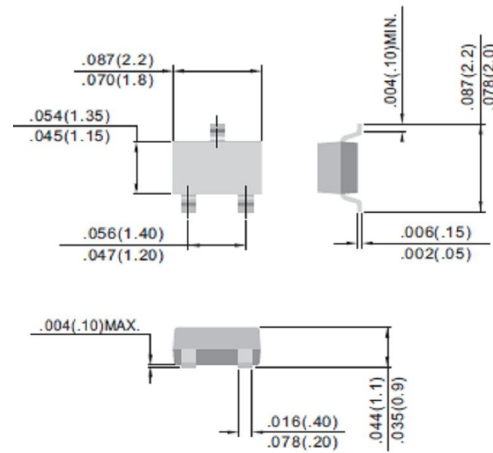
Features

- Planar Die construction
- 200mW Power Dissipation
- Ideally Suited for Automated Assembly Processes
- Pb free product: 99% Sn above can meet RoHS environment Substance request

Mechanical Data

- Case: SOT-323, Molded plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See diagram below
- Approx. Weight: 0.0048 gram
- Mounting position: Any

SOT-323



Unit: inch(mm)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Power Dissipation at 25 °C	P _D	200	mW
Operating Junction and Storage Temperature Range	T _J	-55 to +150	°C

Notes: A. Mounted on 5.0mm²(.013mm thick)land areas

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code	Package
	V _Z @ I _{ZT}			Z _T @ I _{ZT}		Z _{ZK} @ I _{ZK}		I _R @ V _R			
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V		
MMBZ5229AW	4.3	4.21	4.39	22	20.0	2000	0.25	5.0	1.0	D4	SOT-323
MMBZ5230AW	4.7	4.61	4.79	19	20.0	1900	0.25	5.0	2.0	D5	SOT-323
MMBZ5231AW	5.1	5.00	5.20	17	20.0	1600	0.25	5.0	2.0	E1	SOT-323
MMBZ5232AW	5.6	5.49	5.71	11	20.0	1600	0.25	5.0	3.0	E2	SOT-323
MMBZ5234AW	6.2	6.08	6.32	7	20.0	1000	0.25	5.0	4.0	E4	SOT-323
MMBZ5235AW	6.8	6.66	6.94	5	20.0	750	0.25	3.0	5.0	E5	SOT-323
MMBZ5236AW	7.5	7.35	7.65	6	20.0	500	0.25	3.0	6.0	F1	SOT-323
MMBZ5237AW	8.2	8.04	8.36	8	20.0	500	0.25	3.0	6.0	F2	SOT-323
MMBZ5239AW	9.1	8.92	9.28	10	20.0	600	0.25	3.0	6.5	F4	SOT-323
MMBZ5240AW	10	9.80	10.20	17	20.0	600	0.25	3.0	8.0	F5	SOT-323
MMBZ5241AW	11	10.78	11.22	22	20.0	600	0.25	3.0	8.4	H1	SOT-323
MMBZ5242AW	12	11.76	12.24	30	20.0	600	0.25	2.0	9.1	H2	SOT-323
MMBZ5243AW	13	12.74	13.26	13	9.5	600	0.25	1.0	9.9	H3	SOT-323
MMBZ5244AW	14	13.72	14.28	15	9.0	600	0.25	0.5	10.5	H4	SOT-323
MMBZ5245AW	15	14.70	15.30	16	8.5	600	0.25	0.5	11.0	H5	SOT-323
MMBZ5246AW	16	15.68	16.32	17	7.8	600	0.25	0.1	12.0	J1	SOT-323
MMBZ5247AW	17	16.66	17.34	19	7.5	600	0.25	0.1	13.0	J2	SOT-323
MMBZ5248AW	18	17.64	18.36	21	7.0	600	0.25	0.1	14.0	J3	SOT-323
MMBZ5250AW	20	19.60	20.40	25	6.2	600	0.25	0.1	15.0	J5	SOT-323
MMBZ5251AW	22	21.56	22.44	29	5.6	600	0.25	0.1	17.0	K1	SOT-323
MMBZ5252AW	24	23.52	24.48	33	5.2	600	0.25	0.1	18.0	K2	SOT-323
MMBZ5254AW	27	26.46	27.54	41	5.0	600	0.25	0.1	21.0	K4	SOT-323
MMBZ5255AW	28	27.44	28.56	44	4.5	600	0.25	0.1	21.0	K5	SOT-323
MMBZ5256AW	30	29.40	30.60	49	4.2	600	0.25	0.1	23.0	M1	SOT-323
MMBZ5257AW	33	32.34	33.66	58	3.8	700	0.25	0.1	25.0	M2	SOT-323
MMBZ5258AW	36	35.28	36.72	70	3.4	700	0.25	0.1	27.0	M3	SOT-323
MMBZ5259AW	39	38.22	39.78	80	3.2	800	0.25	0.1	30.0	M4	SOT-323
MMBZ5260AW	43	42.14	43.86	93	3.0	900	0.25	0.1	33	M5	SOT-323
MMBZ5261AW	47	46.06	47.94	105	2.7	1000	0.25	0.1	36	N1	SOT-323
MMBZ5262AW	51	49.98	52.02	125	2.5	1100	0.25	0.1	39	N2	SOT-323

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RATING AND CHARACTERISTIC CURVES

Fig1. Steady State Power Derating

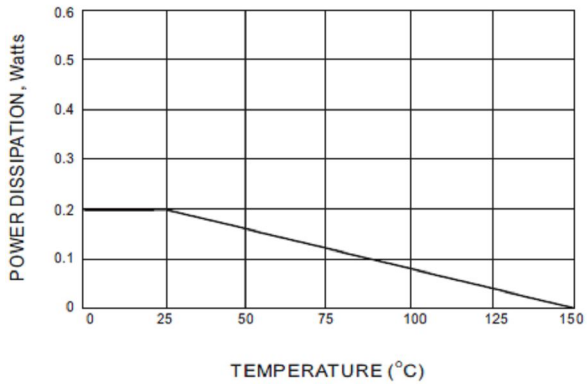


Fig2. Temperature Coefficients

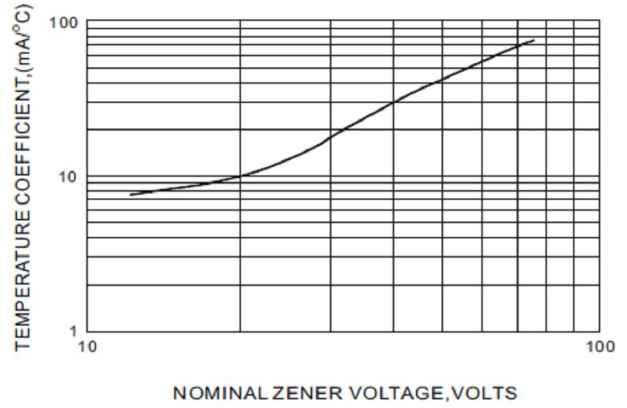


Fig3. Typical Leakage Current

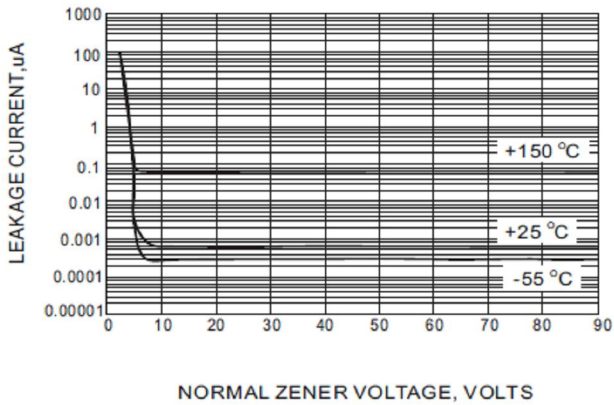


Fig4. Typical Forward Voltage

