

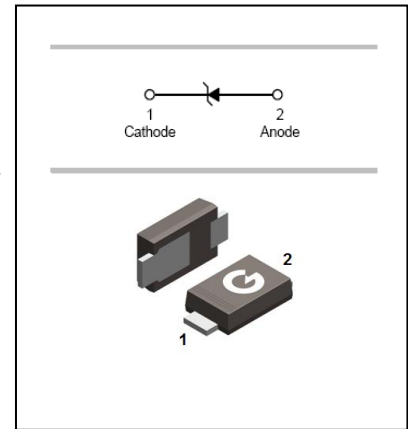
SMT-Type Zener Diode

MMSZ5226AHE-MMSZ5263AHE

FEATURES

- Large selection of zener voltages: 3.3V ~ 56V
- Tight voltage tolerance: $\pm 2\%$ for A-series
- Ultra low-profile package well suited for automated assembly
- MSL Class 1 compatible
- RoHS compliant with Halogen-free

HF



SOD-323T

APPLICATIONS

- General voltage regulation
- Mobile & handheld systems

ORDERING INFORMATION

Part Number	Marking	Package
MMSZ5226AHE – MMSZ5263AHE	See Electrical Characteristics	SOD-323T

MAXIMUM RATING (@ $T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Unit
Forward Voltage @ $I_F=10\text{mA}$	V_F	0.9	V
Power Dissipation	P_D	500	mW
Thermal Resistance Junction-to-Air ^{*1}	$R_{\theta JA}$	100	$^\circ\text{C/W}$
Thermal Resistance Junction-to-Case ^{*1}	$R_{\theta JC}$	52	$^\circ\text{C/W}$
Thermal Resistance Junction-to-Lead ^{*1}	$R_{\theta JL}$	39	$^\circ\text{C/W}$
Junction Temperature Range	T_J	-55 ~ +150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 ~ +150	$^\circ\text{C}$

Note 1: The data tested by surface mounted on a 25.4mm * 25.4mm * 1mm FR4-epoxy P.C.B

SMT-Type Zener Diode

MMSZ5226AHE-MMSZ5263AHE

ELECTRICAL CHARACTERISTICS (@ T_A = 25°C unless otherwise specified)

Part Number	Marking Code	Zener Voltage V _Z (V)			@ I _{ZT} (mA)	Maximum Zener Impedance			Maximum Reverse Current I _R (μA)	@ V _R (V)
		Min.	Typ.	Max.		Z _{YT} (Ω) @ I _{ZT}	Z _{ZK} (Ω)	@ I _{ZK} (mA)		
MMSZ5221AHE	C1.	2.35	2.40	2.45	20.0	30	1200	0.25	100.000	1.0
MMSZ5222AHE	C2.	2.45	2.50	2.55	20.0	30	1250	0.25	100.000	1.0
MMSZ5223AHE	C3.	2.65	2.70	2.75	20.0	30	1300	0.25	75.000	1.0
MMSZ5225AHE	C5.	2.94	3.00	3.06	20.0	30	1600	0.25	50.000	1.0
MMSZ5226AHE	D1	3.23	3.30	3.37	20.0	28	1600	0.25	25.000	1.0
MMSZ5227AHE	D2	3.53	3.60	3.67	20.0	24	1700	0.25	15.000	1.0
MMSZ5228AHE	D3	3.82	3.90	3.98	20.0	23	1900	0.25	10.000	1.0
MMSZ5229AHE	D4	4.21	4.30	4.39	20.0	22	2000	0.25	5.000	1.0
MMSZ5230AHE	D5	4.61	4.70	4.79	20.0	19	1900	0.25	5.000	2.0
MMSZ5231AHE	E1.	5.00	5.10	5.20	20.0	17	1600	0.25	5.000	2.0
MMSZ5232AHE	E2	5.49	5.60	5.71	20.0	11	1600	0.25	5.000	3.0
MMSZ5233AHE	E3.	5.88	6.00	6.12	20.0	7	1600	0.25	5.000	3.5
MMSZ5234AHE	E4.	6.08	6.20	6.32	20.0	7	1000	0.25	5.000	4.0
MMSZ5235AHE	E5.	6.66	6.80	6.94	20.0	5	750	0.25	3.000	5.0
MMSZ5236AHE	F1.	7.35	7.50	7.65	20.0	6	500	0.25	3.000	6.0
MMSZ5237AHE	F2.	8.04	8.20	8.36	20.0	8	500	0.25	3.000	6.0
MMSZ5238AHE	F3.	8.53	8.70	8.87	20.0	8	600	0.25	3.000	6.0
MMSZ5239AHE	F4.	8.92	9.10	9.28	20.0	10	600	0.25	3.000	6.5
MMSZ5240AHE	F5.	9.80	10.00	10.20	20.0	17	600	0.25	3.000	8.0
MMSZ5241AHE	H1.	10.78	11.00	11.22	20.0	22	600	0.25	3.000	8.4
MMSZ5242AHE	H2.	11.76	12.00	12.24	20.0	30	600	0.25	2.000	9.1
MMSZ5243AHE	H3.	12.74	13.00	13.26	9.5	13	600	0.25	1.000	9.9
MMSZ5244AHE	H4.	13.72	14.00	14.28	9.0	15	600	0.25	0.500	10.5
MMSZ5245AHE	H5	14.70	15.00	15.30	8.5	16	600	0.25	0.500	11.0
MMSZ5246AHE	J1	15.68	16.00	16.32	7.8	17	600	0.25	0.100	12.0
MMSZ5247AHE	J2.	16.66	17.00	17.34	7.5	19	600	0.25	0.100	13.0
MMSZ5248AHE	J3.	17.64	18.00	18.36	7.0	21	600	0.25	0.100	14.0
MMSZ5250AHE	J5.	19.60	20.00	20.40	6.2	25	600	0.25	0.100	15.0
MMSZ5251AHE	K1.	21.56	22.00	22.44	5.6	29	600	0.25	0.100	17.0
MMSZ5252AHE	K2.	23.52	24.00	24.48	5.2	33	600	0.25	0.100	18.0
MMSZ5253AHE	K3.	24.50	25.00	25.50	5.0	35	600	0.25	0.100	19.0
MMSZ5254AHE	K4.	26.46	27.00	27.54	5.0	41	600	0.25	0.100	21.0
MMSZ5255AHE	K5.	27.44	28.00	28.56	4.5	44	600	0.25	0.100	21.0
MMSZ5256AHE	M1.	29.40	30.00	30.60	4.2	49	600	0.25	0.100	23.0
MMSZ5257AHE	M2.	32.34	33.00	33.66	3.8	58	700	0.25	0.100	25.0
MMSZ5258AHE	M3.	35.28	36.00	36.72	3.4	70	700	0.25	0.100	27.0
MMSZ5259AHE	M4.	38.22	39.00	39.78	3.2	80	800	0.25	0.100	30.0
MMSZ5260AHE	M5.	42.14	43.00	43.86	3.0	93	900	0.25	0.100	33.0
MMSZ5261AHE	N1.	46.06	47.00	47.94	2.7	105	1000	0.25	0.100	36.0
MMSZ5262AHE	N2.	49.98	51.00	52.02	2.5	125	1000	0.25	0.100	39.0
MMSZ5263AHE	3A	54.88	56.00	57.12	2.2	150	1300	0.25	0.100	43.0
MMSZ5265AHE	N5.	60.76	62.00	63.24	2.0	185	1400	0.25	0.100	47.0
MMSZ5266AHE	P1.	66.64	68.00	69.36	1.8	230	1600	0.25	0.100	52.0
MMSZ5267AHE	P2.	73.50	75.00	77.12	1.7	270	1700	0.25	0.100	56.0

SMT-Type Zener Diode

MMSZ5226AHE-MMSZ5263AHE

TYPICAL CHARACTERISTICS (@ $T_A = 25^\circ\text{C}$ unless otherwise specified)

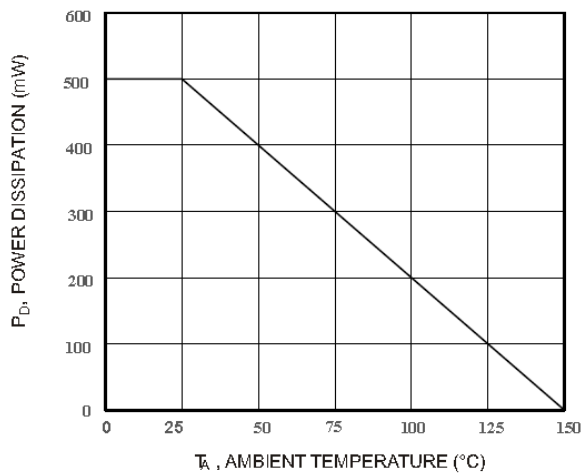


Fig. 1 Power Dissipation vs Ambient Temperature

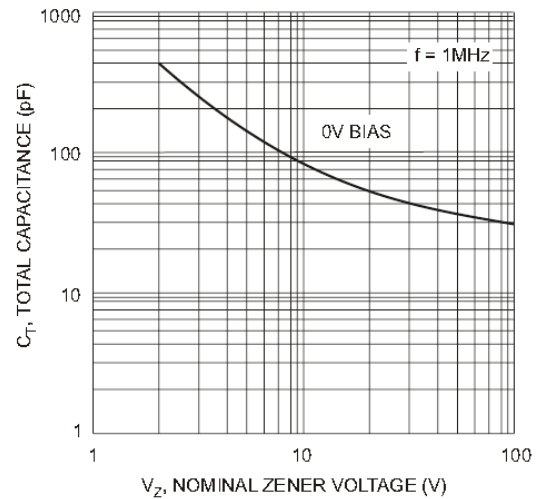


Fig. 2 Typical Capacitance

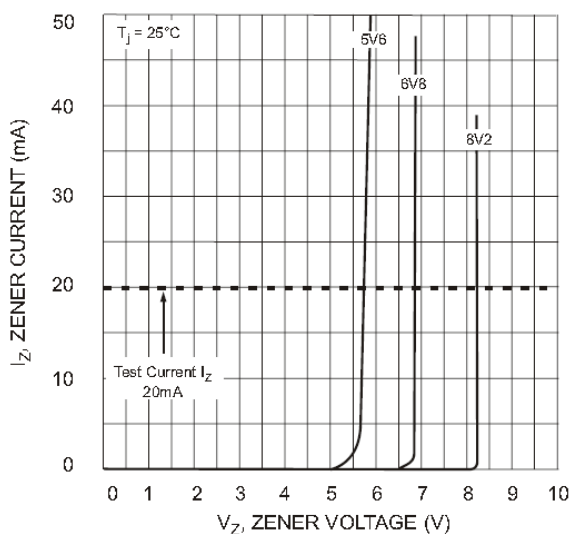


Fig. 3 Zener Breakdown Characteristics

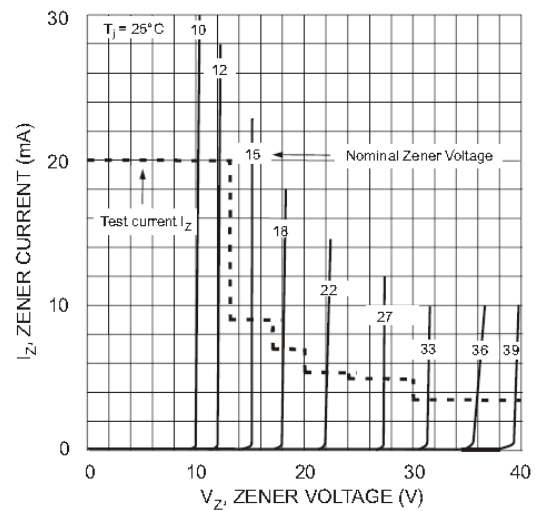


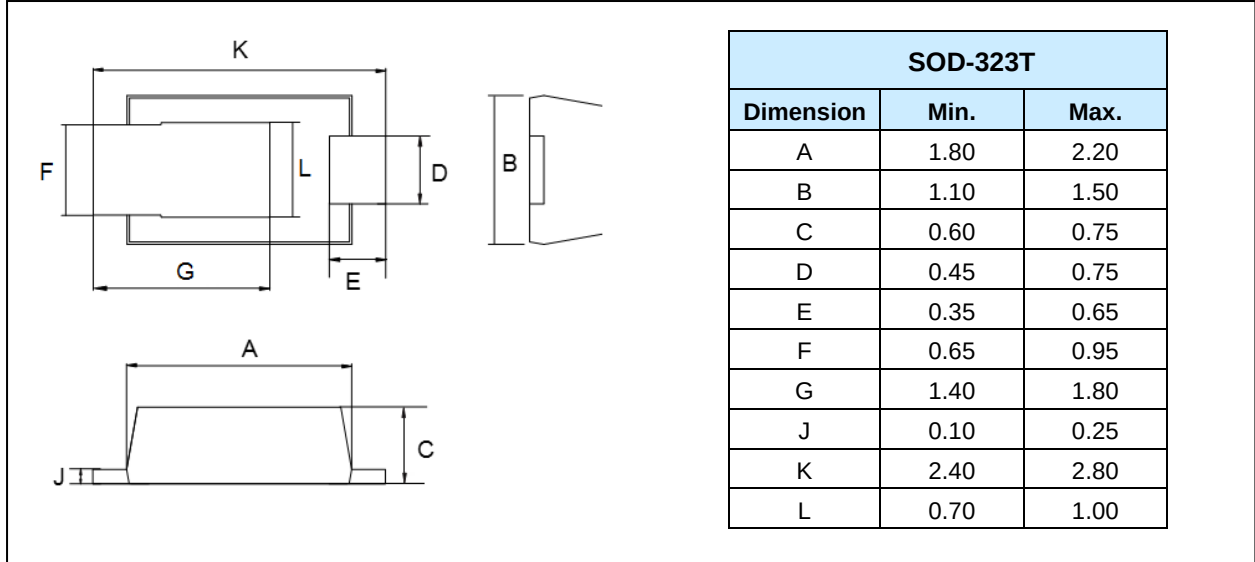
Fig. 4 Zener Breakdown Characteristics

SMT-Type Zener Diode

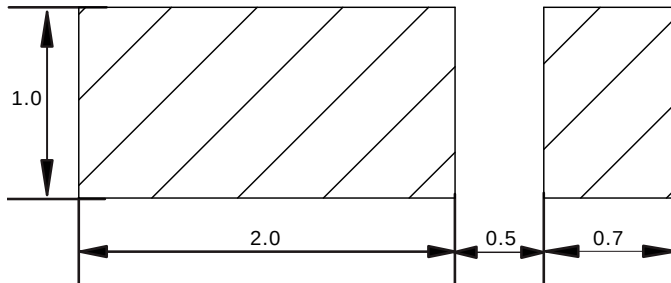
MMSZ5226AHE-MMSZ5263AHE

PACKAGE OUTLINE (Unit: mm)

Plastic surface mounted package



MOUNTING PAD LAYOUT (Unit: mm)



PACKAGE INFORMATION

Part Number	Package	Shipping Quantity
MMSZ5226AHE - MMSZ5263AHE	SOD-323T	4000 pcs / Tape & Reel

IMPORTANT NOTICE

Changzhou Galaxy Century Microelectronics (GME) reserves the right to make changes without further notice to any product information (copyrighted) herein to make corrections, modifications, improvements, or other changes. GME does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others.