

表面贴装稳压二极管

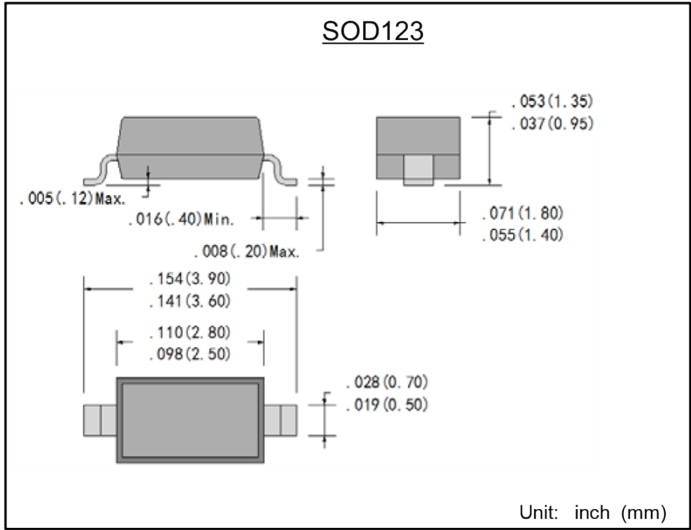
功率 500 mW

稳压电压范围 2.4 - 51 V

Surface Mounted Zener Diode

Power Dissipation 500 mW

Zener Voltage Range 2.4 - 51 V



特征 Features

- 平面结构芯片 Planar die construction
- 标准稳压电压公差 $\pm 5\%$ Standard Zener voltage tolerance is $\pm 5\%$
- 超小表面贴装器件 Ultra-small surface mount device
- 适合自动装配 Ideally suited for automated assembly processes
- 引线镀层和管体符合RoHS标准
Lead plating and body according with RoHS standard

机械数据 Mechanical Data

- 封装: SOD123 塑料封装 Case: SOD123 Molded plastic
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	数值	单位
		Value	Unit
功率消耗 Power Dissipation (Note 1)	P_D	500	mW
典型热阻 Type Thermal Resistance (Note 1)	$R_{\theta JA}$	330	°C/W
正向电压 Forward Voltage IF=10mA	V_{FM}	0.9	V
工作结温和存储温度 Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 --- +150	°C

备注 Note:

1) Valid Provided that Device Terminals are Kept at Ambient Temperature.

产品型号 Part No.	印字 (代码)	V _Z @ I _{ZT}			I _{ZT} (mA)	Z _{VT} @ I _{ZT} Max. (Ω)	Z _{ZK}		I _R (uA)	
		Nom.(V)	Min.(V)	Max.(V)			Max. (Ω)	@I _{ZK} (mA)	Max.	@VR(V)
MMSZ5221B	C1	2.4	2.28	2.52	20.0	30	1200	0.25	100	1.0
MMSZ5222B	C2	2.5	2.38	2.63	20.0	30	1250	0.25	100	1.0
MMSZ5223B	C3	2.7	2.57	2.84	20.0	30	1300	0.25	75	1.0
MMSZ5225B	C5	3.0	2.85	3.15	20.0	30	1600	0.25	50	1.0
MMSZ5226B	G1	3.3	3.14	3.47	20.0	28	1600	0.25	25	1.0
MMSZ5227B	G2	3.6	3.42	3.78	20.0	24	1700	0.25	15	1.0
MMSZ5228B	G3	3.9	3.71	4.10	20.0	23	1900	0.25	10	1.0
MMSZ5229B	G4	4.3	4.09	4.52	20.0	22	2000	0.25	5	1.0
MMSZ5230B	G5	4.7	4.47	4.94	20.0	19	1900	0.25	5	2.0
MMSZ5231B	E1	5.1	4.85	5.36	20.0	17	1600	0.25	5	2.0
MMSZ5232B	E2	5.6	5.32	5.88	20.0	11	1600	0.25	5	3.0
MMSZ5234B	E4	6.2	5.89	6.51	20.0	7	1000	0.25	5	4.0
MMSZ5235B	E5	6.8	6.46	7.14	20.0	5	750	0.25	3	5.0
MMSZ5236B	F1	7.5	7.13	7.88	20.0	6	500	0.25	3	6.0
MMSZ5237B	F2	8.2	7.79	8.61	20.0	8	500	0.25	3	6.5
MMSZ5238B	F3	8.7	8.27	9.14	20.0	8	600	0.25	3	6.5
MMSZ5239B	F4	9.1	8.65	9.56	20.0	10	600	0.25	3	7.0
MMSZ5240B	F5	10.0	9.50	10.50	20.0	17	600	0.25	3	8.0
MMSZ5241B	H1	11.0	10.45	11.55	20.0	22	600	0.25	2	8.4
MMSZ5242B	H2	12.0	11.40	12.60	20.0	30	600	0.25	1	9.1
MMSZ5243B	H3	13.0	12.35	13.65	9.5	13	600	0.25	0.5	9.9
MMSZ5244B	H4	14.0	13.30	14.70	9.0	15	600	0.25	0.1	10.5
MMSZ5245B	H5	15.0	14.25	15.75	8.5	16	600	0.25	0.1	11
MMSZ5246B	J1	16.0	15.20	16.80	7.8	17	600	0.25	0.1	12
MMSZ5247B	J2	17.0	16.15	17.85	7.5	19	600	0.25	0.1	13
MMSZ5248B	J3	18.0	17.10	18.90	7.0	21	600	0.25	0.1	14
MMSZ5249B	J4	19.0	18.05	19.95	6.6	23	600	0.25	0.1	14
MMSZ5250B	J5	20.0	19.00	21.00	6.0	25	600	0.25	0.1	15
MMSZ5251B	K1	22.0	20.90	23.10	5.6	29	600	0.25	0.1	17
MMSZ5252B	K2	24.0	22.80	25.20	5.2	33	600	0.25	0.1	18
MMSZ5253B	K3	25.0	23.75	26.25	5.0	35	600	0.25	0.1	19
MMSZ5254B	K4	27.0	25.65	28.35	4.6	41	600	0.25	0.1	21
MMSZ5255B	K5	28.0	26.60	29.40	4.5	44	600	0.25	0.1	21
MMSZ5256B	M1	30.0	28.50	31.50	4.2	49	600	0.25	0.1	23
MMSZ5257B	M2	33.0	31.35	34.65	3.8	58	700	0.25	0.1	25
MMSZ5258B	M3	36.0	34.20	37.80	3.4	70	700	0.25	0.1	27
MMSZ5259B	M4	39.0	37.05	40.95	3.2	80	800	0.25	0.1	30
MMSZ5260B	M5	43.0	40.85	45.15	3.0	93	900	0.25	0.1	33
MMSZ5261B	N1	47.0	44.65	49.35	2.7	105	1000	0.25	0.1	36
MMSZ5262B	N2	51.0	48.45	53.55	2.5	125	1100	0.25	0.1	39
MMSZ5263B	N3	56.0	53.20	58.80	2.2	150	1300	0.25	0.1	43
MMSZ5264B	N4	60.0	57.00	63.00	2.1	170	1400	0.25	0.1	46