



DESCRIPTION

The MMSZ5221B~MMSZ5259B are available in SOD-123 package.

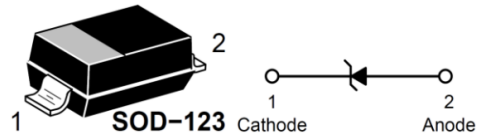
FEATURE

- Planar Die Construction
- Ultra-Small Surface Mount Package
- General purpose, Medium Current
- Ideally for Automated Assembly Processes

ORDERING INFORMATION

Package Type	Part Number	
SOD-123	MMSZ5221B	MMSZ5246B
	MMSZ5223B	MMSZ5248B
	MMSZ5225B	MMSZ5250B
	MMSZ5226B	MMSZ5251B
	MMSZ5227B	MMSZ5252B
	MMSZ5228B	MMSZ5241B
	MMSZ5229B	MMSZ5242B
	MMSZ5230B	MMSZ5243B
	MMSZ5231B	MMSZ5244B
	MMSZ5232B	MMSZ5245B
	MMSZ5233B	MMSZ5246B
	MMSZ5234B	MMSZ5248B
	MMSZ5235B	MMSZ5250B
	MMSZ5236B	MMSZ5251B
	MMSZ5237B	MMSZ5252B
	MMSZ5238B	MMSZ5253B
	MMSZ5239B	MMSZ5254B
	MMSZ5240B	MMSZ5255B
	MMSZ5241B	MMSZ5256B
	MMSZ5242B	MMSZ5257B
MMSZ5243B	MMSZ5258B	
MMSZ5244B	MMSZ5259B	
MMSZ5245B		
Note	SPQ: 3,000pcs/Reel	
AiT provides all RoHS Compliant Products		

PIN DESCRIPTION



PIN#	DESCRIPTION
1	CATHODE
2	ANODE

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current debate by 20 %.

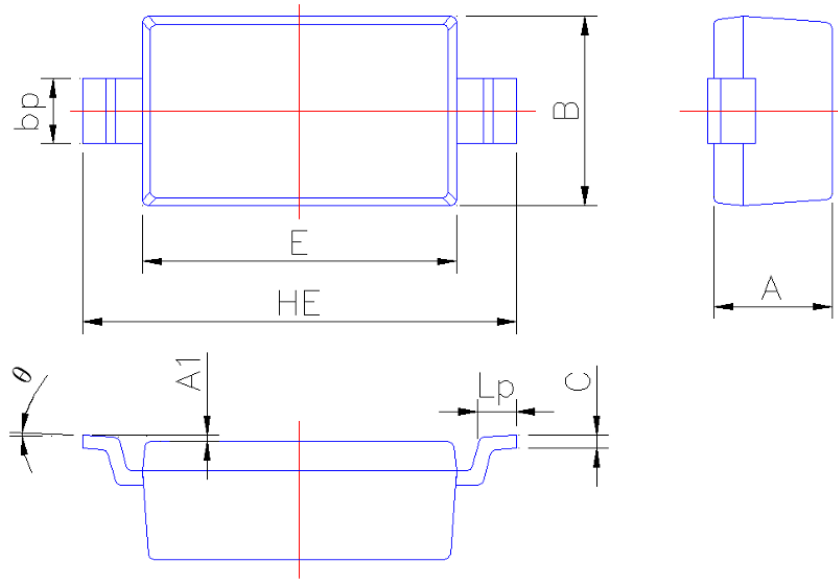
Type Number	Zener Voltage Range				Zener Impedance (Max)			Reverse Current (Max)	
	VZ@IZT			IZT	ZZT@IZK	ZZK@IZK	IZK	IR	VR
	Nom(V)	Min(V)	Max(V)	mA	Ω		mA	uA	V
MMSZ5221B	2.4	2.28	2.52	20	30	1200	0.25	100	1.0
MMSZ5223B	2.7	2.57	2.84	20	30	1300	0.25	75	1.0
MMSZ5225B	3.0	2.85	3.15	20	30	1600	0.25	50	1.0
MMSZ5226B	3.3	3.14	3.47	20	28	1600	0.25	25	1.0
MMSZ5227B	3.6	3.42	3.78	20	24	1700	0.25	15	1.0
MMSZ5228B	3.9	3.71	4.10	20	23	1900	0.25	10	1.0
MMSZ5229B	4.3	4.09	4.52	20	22	2000	0.25	5	1.0
MMSZ5230B	4.7	4.47	4.94	20	19	1900	0.25	5	2.0
MMSZ5231B	5.1	4.85	5.36	20	17	1600	0.25	5	2.0
MMSZ5232B	5.6	5.32	5.88	20	11	1600	0.25	5	3.0
MMSZ5233B	6.0	5.70	6.30	20	7	1600	0.25	5	3.5
MMSZ5234B	6.2	5.89	6.51	20	7	1000	0.25	5	4.0
MMSZ5235B	6.8	6.46	7.14	20	5	750	0.25	3	5.0
MMSZ5236B	7.5	7.13	7.88	20	6	500	0.25	3	6.0
MMSZ5237B	8.2	7.79	8.61	20	8	500	0.25	3	6.5
MMSZ5238B	8.7	8.27	9.14	20	8	600	0.25	3	6.5
MMSZ5239B	9.1	8.65	9.56	20	10	600	0.25	3	7.0
MMSZ5240B	10	9.50	10.50	20	17	600	0.25	3	8.0
MMSZ5241B	11	10.45	11.55	20	22	600	0.25	2.0	8.4
MMSZ5242B	12	11.40	12.60	20	30	600	0.25	1.0	9.1
MMSZ5243B	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9
MMSZ5244B	14	13.30	14.70	9.0	15	600	0.25	0.1	10
MMSZ5245B	15	14.25	15.75	8.5	16	600	0.25	0.1	11
MMSZ5246B	16	15.20	16.80	7.8	17	600	0.25	0.1	12
MMSZ5248B	18	17.10	18.90	7.0	21	600	0.25	0.1	14
MMSZ5250B	20	19.00	21.00	6.2	25	600	0.25	0.1	15
MMSZ5251B	22	20.90	23.10	5.6	29	600	0.25	0.1	17
MMSZ5252B	24	22.80	25.20	5.2	33	600	0.25	0.1	18
MMSZ5253B	25	23.75	26.25	5.0	35	600	0.25	0.1	19
MMSZ5254B	27	25.65	28.35	5.0	41	600	0.25	0.1	21
MMSZ5255B	28	26.60	29.40	4.5	44	600	0.25	0.1	21
MMSZ5256B	30	28.50	31.50	4.2	49	600	0.25	0.1	23
MMSZ5257B	33	31.35	34.65	3.8	58	700	0.25	0.1	25
MMSZ5258B	36	34.20	37.80	3.4	70	700	0.25	0.1	27
MMSZ5259B	39	37.05	40.95	3.2	80	800	0.25	0.1	30

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.



PACKAGE INFORMATION

Dimension in SOD-123 Package



DIM	MILLIMETERS	
	MIN	MAX
A	0.950	1.150
A1	0.010	0.100
B	1.550	1.650
bp	0.500	0.700
C	0.090	0.150
E	2.600	2.700
HE	3.450	3.850
LP	0.200	0.450
θ	0°	5°



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