



DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

MMSZ5221BS
THRU
MMSZ5260BS

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SILICON ZENER DIODES

FEATURES

- * Planar Die construction
- * Zener Voltages from 2.4V - 43V
- * 200mW Power Dissipation
- * Ideally Suited for Automated Assembly Processes

MECHANICAL DATA

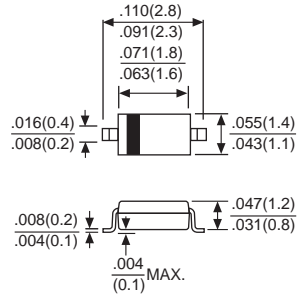
- * Case: Molded Plastic
- * Terminals: Solder plated, solderable per MIL-STD-202, Method 208
- * Polarity: See Diagram Below
- * Mounting position: Any
- * Weight: 0.008 gram Approx.

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, derate current by 20%.



SOD-323



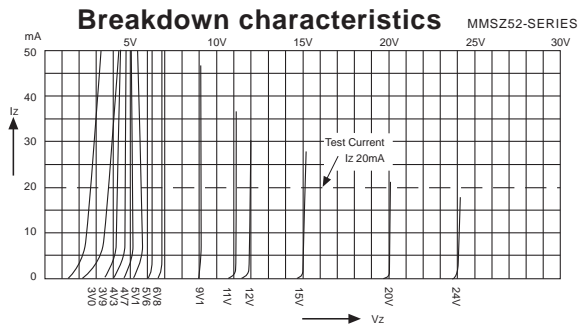
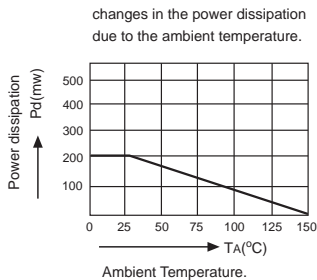
Dimensions in inches(millimeters)

	SYMBOL	VALUE	UNITS
Zener Current see Table "Characteristics"			
Maximum Power Dissipation @TA=25°C	Ptot	200	mW
Maximum Forward Voltage @IF=10mA	VF	0.9	Volts
Typical Thermal Resistance	RθJA	625	°C/W
Operating and Storage Temperature	TJ,Tstg	-55 to +150	°C

RATING AND CHARACTERISTIC CURVES (MMSZ5221BS THRU MMSZ5260BS)

TYPE	Nominal Zener Voltage $V_Z @ I_{ZT}$	Zener Test Current I_{ZT}	Maximum Zener Impedance			Maximum Reverse Leakage Current	
			$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	I_{ZK}	$I_R @ V_R$	
	Volts	mA	Ohms	Ohms	mA	μA	Volts
MMSZ5221BS	2.4	20	30	1200	0.25	100	1.0
MMSZ5223BS	2.7	20	30	1300	0.25	75	1.0
MMSZ5225BS	3.0	20	30	1600	0.25	50	1.0
MMSZ5226BS	3.3	20	28	1600	0.25	25	1.0
MMSZ5227BS	3.6	20	24	1700	0.25	15	1.0
MMSZ5228BS	3.9	20	23	1900	0.25	10	1.0
MMSZ5229BS	4.3	20	22	2000	0.25	5.0	1.0
MMSZ5230BS	4.7	20	19	1900	0.25	5.0	2.0
MMSZ5231BS	5.1	20	17	1600	0.25	5.0	2.0
MMSZ5232BS	5.6	20	11	1600	0.25	5.0	3.0
MMSZ5233BS	6.0	20	7	1600	0.25	5.0	3.5
MMSZ5234BS	6.2	20	7	1000	0.25	5.0	4.0
MMSZ5235BS	6.8	20	5	750	0.25	3.0	5.0
MMSZ5236BS	7.5	20	6	500	0.25	3.0	6.0
MMSZ5237BS	8.2	20	8	500	0.25	3.0	6.0
MMSZ5238BS	8.7	20	8	600	0.25	3.0	6.5
MMSZ5239BS	9.1	20	10	600	0.25	3.0	6.5
MMSZ5240BS	10	20	17	600	0.25	3.0	8.0
MMSZ5241BS	11	20	22	600	0.25	2.0	8.4
MMSZ5242BS	12	20	30	600	0.25	1.0	9.1
MMSZ5243BS	13	9.5	13	600	0.25	0.5	9.9
MMSZ5245BS	15	8.5	16	600	0.25	0.1	11
MMSZ5246BS	16	7.8	17	600	0.25	0.1	12
MMSZ5248BS	18	7.0	21	600	0.25	0.1	14
MMSZ5250BS	20	6.2	25	600	0.25	0.1	15
MMSZ5251BS	22	5.6	29	600	0.25	0.1	17
MMSZ5252BS	24	5.2	33	600	0.25	0.1	18
MMSZ5254BS	27	4.6	41	600	0.25	0.1	21
MMSZ5255BS	28	4.5	44	600	0.25	0.1	21
MMSZ5256BS	30	4.2	49	600	0.25	0.1	23
MMSZ5257BS	33	3.8	58	700	0.25	0.1	25
MMSZ5258BS	36	3.4	70	700	0.25	0.1	27
MMSZ5259BS	39	3.2	80	800	0.25	0.1	30
MMSZ5260BS	43	3.0	93	900	0.25	0.1	33

NOTE: Standard Zener Voltage Tolerance $\pm 5\%$



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