



MM5ZS2V0 THRU MM5ZS75

ZENER DIODES

REVERSE VOLTAGE: 2.0 TO 75 VOLTS

POWER DISSIPATION: 200 mWATTS

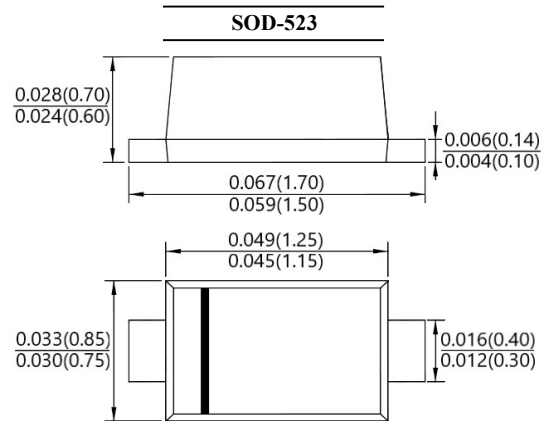
FEATURES

- Standard Zener Breakdown Voltage Range
2.0 V to 75 V
- Suffix "H" indicates Halogen-free parts, ex. MM5ZS2V0H

MECHANICAL DATA

Case : SOD-523

Mounting Position : Any



Dimensions in inches and (millimeters)

Maximum Ratings @ 25 °C Unless Otherwise Specified

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	-55 to +150	°C

Parameter	Symbol	Value	Unit
Forward Voltage at $I_F = 10\text{mA}$	V_F	0.9	V



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Electrical Characteristics

Tamb = 25 °C, unless otherwise specified

Type	Marking Code	Zener Voltage ¹⁾				Zener Impedance				Leakage Current	
		V _Z			I _{ZT}	Z _{ZT}	at I _{ZT}	Z _{ZK}	at I _{ZK}	I _R	V _R
		Min.(V)	Nom.(V)	Max.(V)	(mA)	Max.(Ω)	(mA)	Max.(Ω)	(mA)	Max.(μA)	(V)
MM5ZS2V0	RD	1.80	2.00	2.15	5	100	5	-	-	120	0.5
MM5ZS2V2	RE	2.08	2.20	2.33	5	100	5	-	-	120	0.7
MM5ZS2V4	Z7	2.20	2.40	2.60	5	100	5	1000	1	120	1.0
MM5ZS2V7	A8	2.50	2.70	2.90	5	100	5	1000	1	120	1.0
MM5ZS3V0	B8	2.80	3.00	3.20	5	100	5	1000	1	50	1.0
MM5ZS3V3	C8	3.10	3.30	3.50	5	95	5	1000	1	20	1.0
MM5ZS3V6	D8	3.40	3.60	3.80	5	90	5	1000	1	10	1.0
MM5ZS3V9	E8	3.70	3.90	4.10	5	90	5	1000	1	5.0	1.0
MM5ZS4V3	F8	4.00	4.30	4.60	5	90	5	1000	1	5.0	1.0
MM5ZS4V7	G8	4.40	4.70	5.00	5	80	5	800	1	2.0	1.0
MM5ZS5V1	H8	4.80	5.10	5.40	5	60	5	500	1	2.0	1.5
MM5ZS5V6	I8	5.20	5.60	6.00	5	40	5	200	1	1.0	2.5
MM5ZS6V2	J8	5.80	6.20	6.60	5	10	5	100	1	1.0	3.0
MM5ZS6V8	K8	6.40	6.80	7.20	5	15	5	160	1	0.5	3.5
MM5ZS7V5	L8	7.00	7.50	7.90	5	15	5	160	1	0.5	4.0
MM5ZS8V2	M8	7.70	8.20	8.70	5	15	5	160	1	0.5	5.0
MM5ZS9V1	N8	8.50	9.10	9.60	5	15	5	160	1	0.5	6.0
MM5ZS10	O8	9.40	10.00	10.60	5	20	5	160	1	0.1	7.0
MM5ZS11	P8	10.40	11.00	11.60	5	20	5	160	1	0.1	8.0
MM5ZS12	Q8	11.40	12.00	12.70	5	25	5	80	1	0.1	9.0
MM5ZS13	R8	12.40	13.00	14.10	5	30	5	80	1	0.1	10
MM5ZS15	S8	13.80	15.00	15.60	5	30	5	80	1	0.1	11
MM5ZS16	T8	15.30	16.00	17.10	2	40	2	80	1	0.1	12
MM5ZS18	U8	16.80	18.00	19.10	2	45	2	80	1	0.1	13
MM5ZS20	V8	18.80	20.00	21.20	2	55	2	100	1	0.1	15
MM5ZS22	W8	20.80	22.00	23.30	2	55	2	100	1	0.1	17
MM5ZS24	X8	22.80	24.00	25.60	2	70	2	120	1	0.1	19
MM5ZS27	Y8	25.10	27.00	28.90	2	80	2	300	1	0.1	21
MM5ZS30	Z8	28.0	30.0	32.0	2	80	2	300	1	0.1	23
MM5ZS33	A9	31.0	33.0	35.0	2	80	2	300	1	0.1	25
MM5ZS36	B9	34.0	36.0	38.0	2	90	2	500	1	0.1	27
MM5ZS39	C9	37.0	39.0	41.0	2	130	2	500	1	2.0	30
MM5ZS43	D9	40.0	43.0	46.0	1	150	1	500	1	2.0	33
MM5ZS47	E9	44.0	47.0	50.0	1	170	1	500	1	2.0	36
MM5ZS51	F9	48.0	51.0	54.0	1	180	1	500	1	1.0	39
MM5ZS56	G9	52.0	56.0	60.0	1	200	1	500	1	1.0	43
MM5ZS62	H9	58.0	62.0	66.0	1	215	1	500	1	0.2	47
MM5ZS68	I9	64.0	68.0	72.0	1	240	1	500	1	0.2	52
MM5ZS75	J9	70.0	75.0	79.0	1	255	1	500	1	0.2	57

NOTES:

1. V_Z is tested with pulses (20 ms).



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RATINGS AND CHARACTERISTIC CURVES

