



MM3ZS2V4 THRU MM3ZS75

ZENER DIODES

REVERSE VOLTAGE: 2.4 TO 75 VOLTS

POWER DISSIPATION: 300 mWATTS

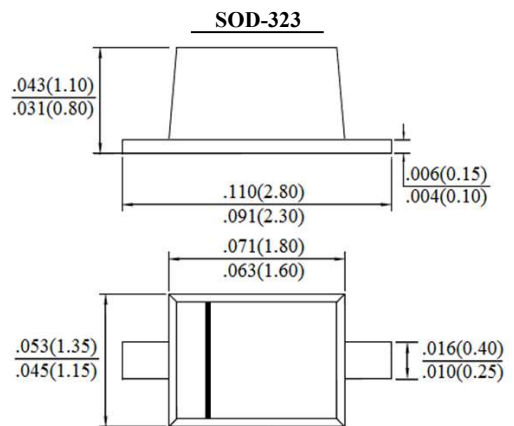
FEATURES

- Zener Voltage Range 2.4 to 75 Volts
- Zener Voltage Tolerance: $\pm 5\%$
- Suffix "H" indicates Halogen-free parts, ex. MM3ZS2V4H

MECHANICAL DATA

Case : SOD-323

Mounting Position : Any



Dimensions in inches and (millimeters)

Maximum Ratings @ 25 °C Unless Otherwise Specified

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	300	mW
Junction Temperature	T_J	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55 to +150	$^{\circ}C$

Parameter	Symbol	Value	Unit
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	417	$^{\circ}C/W$
Forward Voltage at $I_F = 10mA$	V_F	0.9	V



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Electrical Characteristics

Tamb = 25 °C, unless otherwise specified

Type	Marking Code	V _Z @ I _{ZT}			I _{ZT}	Z _{ZT} @ I _{ZT} Max.	I _{ZT}	I _R @ V _R Max.	V _R
		NORMAL ZENER VOLTAGE							
		Min.	Nom.	Max.					
	V	V	V	mA	Ω	mA	μA	V	
MM3ZS2V4	1C	2.28	2.4	2.56	5	100	5	120	1.0
MM3ZS2V7	1D	2.50	2.7	2.90	5	110	5	120	1.0
MM3ZS3V0	1E	2.80	3.0	3.20	5	120	5	50	1.0
MM3ZS3V3	1F	3.10	3.3	3.50	5	130	5	20	1.0
MM3ZS3V6	1H	3.40	3.6	3.80	5	130	5	10	1.0
MM3ZS3V9	1J	3.70	3.9	4.10	5	130	5	5.0	1.0
MM3ZS4V3	1K	4.00	4.3	4.60	5	130	5	5.0	1.0
MM3ZS4V7	1M	4.40	4.7	5.00	5	130	5	2.0	1.0
MM3ZS5V1	1N	4.80	5.1	5.40	5	130	5	2.0	1.5
MM3ZS5V6	1P	5.20	5.6	6.00	5	80	5	1.0	2.5
MM3ZS6V2	1R	5.80	6.2	6.60	5	50	5	1.0	3.0
MM3ZS6V8	1X	6.40	6.8	7.20	5	30	5	0.5	3.5
MM3ZS7V5	1Y	7.00	7.5	7.90	5	30	5	0.5	4.0
MM3ZS8V2	1Z	7.70	8.2	8.70	5	30	5	0.5	5.0
MM3ZS9V1	2A	8.50	9.1	9.60	5	30	5	0.5	6.0
MM3ZS10	2B	9.40	10.0	10.60	5	30	5	0.1	7.0
MM3ZS11	2C	10.40	11.0	11.60	5	30	5	0.1	8.0
MM3ZS12	2D	11.40	12.0	12.70	5	35	5	0.1	9.0
MM3ZS13	2E	12.40	13.0	14.10	5	35	5	0.1	10.0
MM3ZS15	2F	13.80	15.0	15.60	5	40	5	0.1	11.0
MM3ZS16	2H	15.30	16.0	17.10	5	40	5	0.1	12.0
MM3ZS18	2J	16.80	18.0	19.10	5	45	5	0.1	13.0
MM3ZS20	2K	18.80	20.0	21.20	5	50	5	0.1	15.0
MM3ZS22	2M	20.80	22.0	23.30	5	55	5	0.1	17.0
MM3ZS24	2N	22.80	24.0	25.60	5	60	5	0.1	19.0
MM3ZS27	2P	25.10	27.0	28.90	2	70	2	0.1	21.0
MM3ZS30	2R	28.00	30.0	32.00	2	80	2	0.1	23.0
MM3ZS33	2X	31.00	33.0	35.00	2	80	2	0.1	25.0
MM3ZS36	2Y	34.00	36.0	38.00	2	90	2	0.1	27.0
MM3ZS39	2Z	37.00	39.0	41.00	2	100	2	0.1	30.0
MM3ZS43	3A	40.00	43.0	46.00	2	130	2	0.1	33.0
MM3ZS47	3B	44.00	47.0	50.00	2	150	2	0.1	36.0
MM3ZS51	3C	48.00	51.0	54.00	2	180	2	0.1	39.0
MM3ZS56	3D	52.00	56.0	60.00	2	200	2	0.1	43.0
MM3ZS62	3E	58.00	62.0	66.00	2	215	2	0.1	47.0
MM3ZS68	3F	64.00	68.0	72.00	2	240	2	0.1	52.0
MM3ZS75	3H	70.00	75.0	79.00	2	265	2	0.1	56.0

Note:

1) V_{ZT} is tested with pulses (20 ms).



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RATINGS AND CHARACTERISTIC CURVES

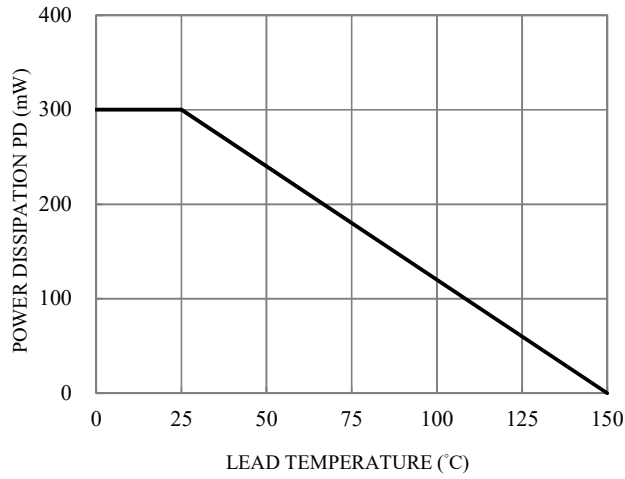


Fig. Power Derating Curve

