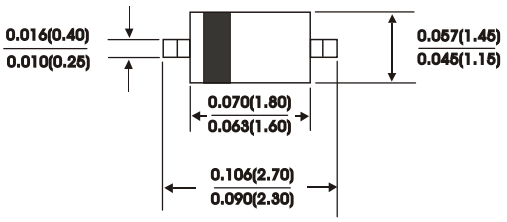
MM3Z2V4T1 THRU MM3Z75VT1

SURFACE MOUNT ZENER DIODES

SOD-323

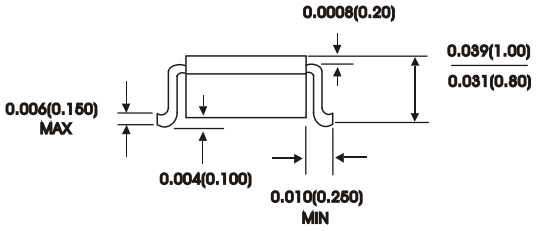
FEATURES:

- Small signal zener diodes
- 200mW Power dissipation
- Ideal for surface mountted application
- Zener breakdown voltage range 2.4V to 75V



MECHANICAL DATA

Case: SOD-323 Molded Glass
Terminals : Solderable per MIL-std-202,Method 208
Polarity : Cathode indicated by polarity band
Marking : Marking code(see table on page 3)
Weigh : 0.004Grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.
Single phase, half sine wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20 %.

Characteristic	Symbol	Value	Units
Power Dissipation at Tamb=25 ℃	P_D	0.2	W
Maximum instantaneous forward voltage drop at IF=10 mADC	V_F	0.9	Volts
JUNCTION temperature	T_J	-65 to+150	°C
Storage temperature range	Tstg	-65 to+150	°C

FIG.1-STEADY STATE POWER DERUTING

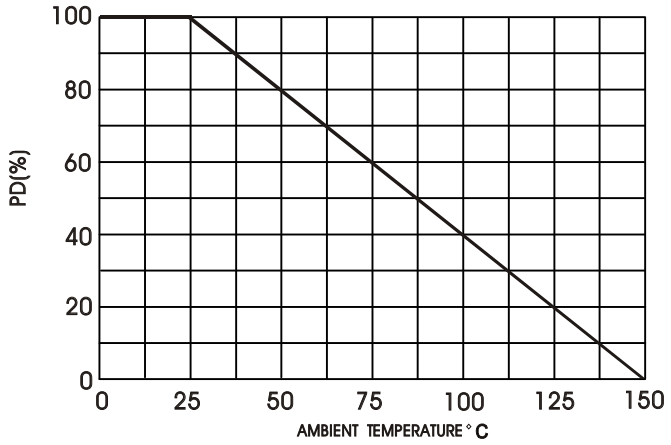


FIG.2 - TYPICAL FORWARD CHARACTERISTICS

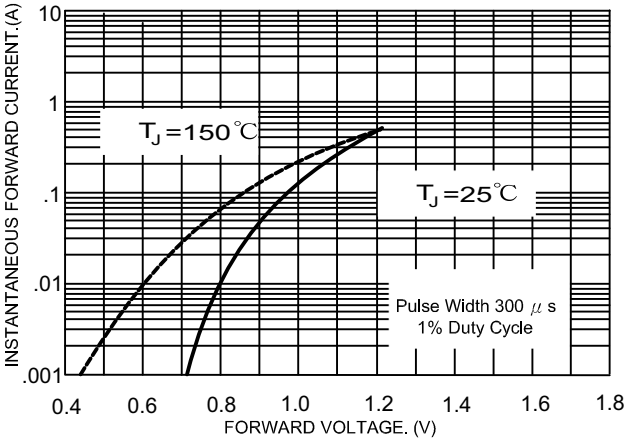


FIG.3- TYPICAL REVERSE CHARACTERISTICS

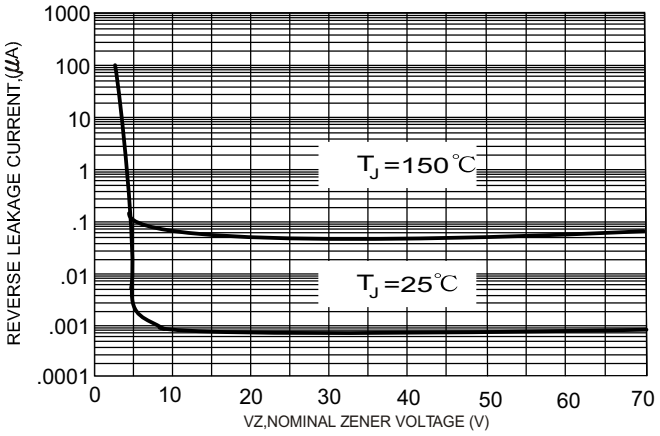


FIG.3- ZENER VOLTAGE (VZ UP TO 12V)

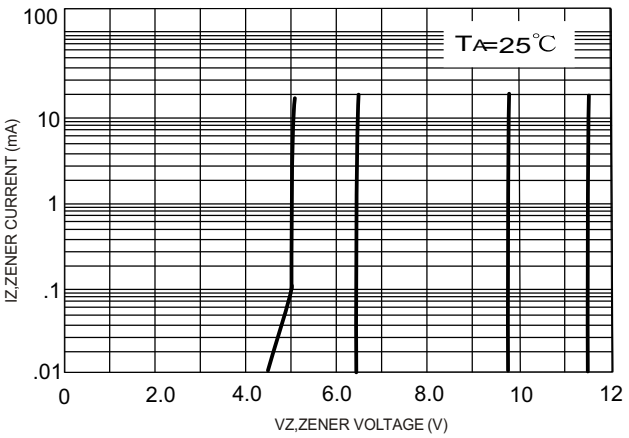
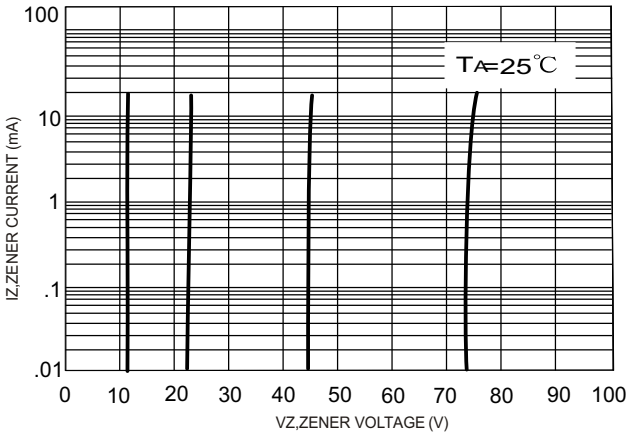


FIG.5- ZENER VOLTAGE (VZ 12V TO 12V)



SURFACE MOUNT ZENER DIODES MM3Z2V4T1 THRU MM3Z75VT1

Device Type	Zener Voltage Vz at Izt	Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current		VZ (mV/K) at IzT		C at VR=0V, f=1MHZ	Marking
			ZzT at IzT	ZzK at IzK	IzK	IR at VR	VR				
	Volts	mA	Ω	Ω	mA	μA	Volts	MIN	MAX	PF	
MM3Z2V4T1	2.20-2.60	5	100	1000	0.5	50	1.0	± 3.5	0	450	00
MM3Z2V7T1	2.5-2.9	5	100	1000	0.5	20	1.0	± 3.5	0	450	01
MM3Z3V0T1	2.8-3.2	5	100	1000	0.5	10	1.0	± 3.5	0	450	02
MM3Z3V3T1	3.1-3.5	5	95	1000	0.5	5	1.0	± 3.5	0	450	05
MM3Z3V6T1	3.4-3.8	5	90	1000	0.5	5	1.0	± 3.5	0	450	06
MM3Z3V9T1	3.7-4.1	5	90	1000	0.5	3	1.0	± 3.5	± 2.5	450	07
MM3Z4V3T1	4.0-4.6	5	90	1000	0.5	3	1.0	± 3.5	0	450	08
MM3Z4V7T1	4.4-5.0	5	80	800	0.5	3	2.0	± 3.5	0.2	260	09
MM3Z5V1T1	4.8-5.4	5	60	500	0.5	2	2.0	± 2.7	1.2	225	0A
MM3Z5V6T1	5.2-6.0	5	40	200	0.5	1	2.0	± 2.0	2.5	200	0C
MM3Z6V2T1	5.8-6.6	5	10	100	0.5	3	4.0	0.4	3.7	185	0E
MM3Z6V8T1	6.4-7.2	5	15	160	0.5	2	4.0	1.2	4.5	155	0F
MM3Z7V5T1	7.0-7.9	5	15	160	0.5	1	5.0	2.5	5.3	140	0G
MM3Z8V2T1	7.7-8.7	5	15	160	0.5	0.7	5.0	3.2	6.2	135	0H
MM3Z9V1T1	8.5-9.6	5	15	160	0.5	0.2	7.0	3.8	7.0	130	0K
MM3Z10VT1	9.4-10.6	5	20	160	0.5	0.1	8.0	4.5	8.0	130	0L
MM3Z11VT1	10.4-11.6	5	20	160	0.5	0.1	8.0	5.4	9.0	130	0M
MM3Z12VT1	11.4-12.7	5	25	80	0.5	0.1	8.0	6.0	10	130	0N
MM3Z13VT1	12.4-14.1	5	30	80	0.5	0.1	8.0	7.0	11	120	0P
MM3Z15VT1	14.3-15.8	5	30	80	0.5	0.05	10.5	9.2	13	110	0T
MM3Z16VT1	15.3-17.1	5	40	80	0.5	0.05	11.2	10.4	14	105	0U
MM3Z18VT1	16.8-19.1	5	45	80	0.5	0.05	12.6	12.4	16	100	0W
MM3Z20VT1	18.8-21.2	5	55	100	0.5	0.05	14.0	14.4	18	85	0Z
MM3Z22VT1	20.8-23.3	5	55	100	0.5	0.05	15.4	16.4	20	85	10
MM3Z24VT1	22.8-25.6	5	70	120	0.5	0.05	16.8	18.4	22	80	11
MM3Z27VT1	25.1-28.9	2	80	300	0.5	0.05	18.9	21.4	25.3	70	12
MM3Z30VT1	28-32	2	80	300	0.5	0.05	21.0	24.4	29.4	70	14
MM3Z33VT1	31-35	2	80	300	0.5	0.05	23.2	27.4	33.4	70	18
MM3Z36VT1	34-38	2	90	500	0.5	0.05	25.2	30.4	37.4	70	19
MM3Z39VT1	37-41	2	130	500	0.5	0.05	27.3	33.4	41.2	45	20
MM3Z43VT1	40-46	2	150	500	0.5	0.05	30.1	37.6	46.6	40	21
MM3Z47VT1	44-50	2	170	500	0.5	0.05	32.9	42.0	51.8	40	1A
MM3Z51VT1	48-54	2	180	500	0.5	0.05	35.7	46.6	57.2	40	1C
MM3Z56VT1	52-60	2	200	500	0.5	0.05	39.2	52.2	63.8	40	1D
MM3Z62VT1	58-66	2	215	500	0.5	0.05	43.4	58.8	71.6	35	1E
MM3Z68VT1	64-72	2	240	500	0.5	0.05	47.6	65.6	79.8	35	1F
MM3Z75VT1	70-79	2	255	500	0.5	0.05	52.5	73.4	88.6	35	1D