

ZENER DIODE

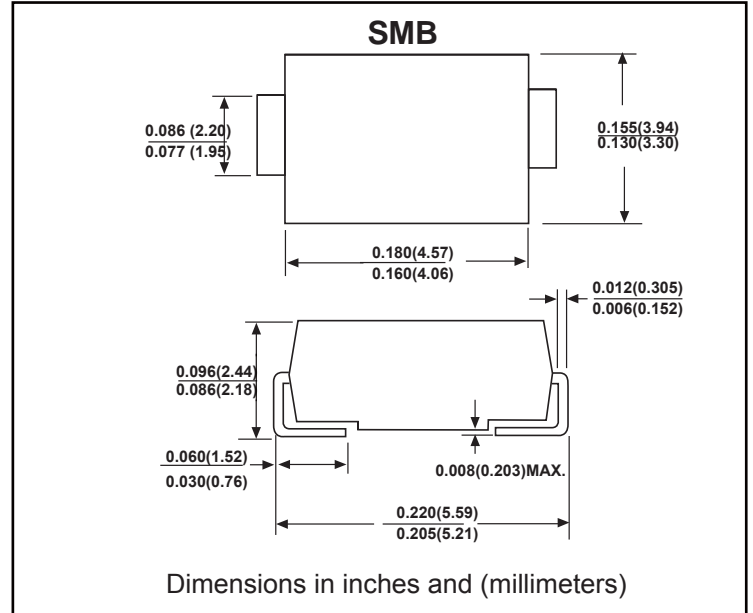
VOLTAGE RANGE: 3.3--- 56V PEAK PULSE POWER:3.0W

FEATURES

- Low Reverse Leakage
- Low Zener Impedance
- High Stability and High Reliability

MECHANICAL DATA

- Case: SMB
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

Parameters	SYMBOLS	VALUE	UNITS
Power Dissipation	P_D	3000	mW
Forward Voltage @ I_F	V_F	1.5	V
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to + 150	°C

Electrical Specification ($T_A=25^\circ\text{C}$ unless otherwise specified)

Type	V_Z	I_{ZT}	Z_{ZT}	Z_{ZK}	I_{ZK}	I_{RM}	V_R	$I_{ZM} @ 50^\circ\text{C}$
	V	mA	($I=I_{ZT}$) Ω	I_{ZK} Ω				
1N5333B	3.3	380	3.0	400	1.0	300	1.0	1440
1N5334B	3.6	350	2.5	500	1.0	150	1.0	1320
1N5335B	3.9	320	2.0	500	1.0	50	1.0	1220
1N5336B	4.3	290	2.0	500	1.0	10	1.0	1100
1N5337B	4.7	260	2.0	450	1.0	5.0	1.0	1010
1N5338B	5.1	240	1.5	400	1.0	1.0	1.0	930
1N5339B	5.6	220	1.0	400	1.0	1.0	2.0	865
1N5340B	6.0	200	1.0	300	1.0	1.0	3.0	790
1N5341B	6.2	200	1.0	200	1.0	1.0	3.0	765

RATINGS AND CHARACTERISTIC CURVES

Electrical Specification ($T_A=25^\circ\text{C}$ unless otherwise specified)

Type	V_Z	I_{ZT}	Z_{ZT}	Z_{ZK}	I_{ZK}	I_{RM}	V_R	$I_{ZM} @50^\circ\text{C}$
	V		$(I=I_{ZT})$	I_{ZK}				
			mA	Ω	Ω	mA	μA	V
1N5342B	6.8	175	1.0	200	1.0	10	5.2	700
1N5343B	7.5	175	1.5	200	1.0	10	5.7	630
1N5344B	8.2	150	1.5	200	1.0	10	6.2	580
1N5345B	8.7	150	2.0	200	1.0	10	6.6	545
1N5346B	9.1	150	2.0	150	1.0	7.5	6.9	520
1N5347B	10	125	2.0	125	1.0	7.5	7.6	475
1N5348B	11	125	2.5	125	1.0	5.0	8.4	430
1N5349B	12	100	2.5	125	1.0	2.0	9.1	395
1N5350B	13	100	2.5	100	1.0	1.0	9.9	365
1N5351B	14	100	2.5	75	1.0	1.0	10.6	340
1N5352B	15	75	2.5	75	1.0	1.0	11.5	310
1N5353B	16	75	2.5	75	1.0	1.0	12.2	295
1N5354B	17	70	2.5	75	1.0	0.5	12.9	280
1N5355B	18	65	2.5	75	1.0	0.5	13.7	265
1N5356B	19	65	3.0	75	1.0	0.5	14.4	250
1N5357B	20	65	3.0	75	1.0	0.5	15.2	237
1N5358B	22	50	3.5	75	1.0	0.5	16.7	216
1N5359B	24	50	3.5	100	1.0	0.5	18.2	198
1N5360B	25	50	4.0	110	1.0	0.5	19.0	190
1N5361B	27	50	5.0	120	1.0	0.5	20.6	176
1N5362B	28	50	6.0	130	1.0	0.5	21.2	170
1N5363B	30	40	8.0	140	1.0	0.5	22.8	158
1N5364B	33	40	10	150	1.0	0.5	25.1	144
1N5365B	36	30	11	160	1.0	0.5	27.4	132
1N5366B	39	30	14	170	1.0	0.5	29.7	122
1N5367B	43	30	20	190	1.0	0.5	32.7	110
1N5368B	47	25	25	210	1.0	0.5	35.8	100

RATINGS AND CHARACTERISTIC CURVES

Electrical Specification ($T_A = @25^\circ\text{C}$ unless otherwise specified)

Type	V_Z	I_{ZT}	Z_{ZT}	Z_{ZK}	I_{ZK}	I_{RM}	V_R	$I_{ZM} @50^\circ\text{C}$
	V		$(I=I_{ZT})$	I_{ZK}				
		Ω	Ω					
1N5369B	51	25	27	230	1.0	0.5	38.8	93.0
1N5370B	56	20	35	280	1.0	0.5	42.6	86.0

NOTE: 1. suffix "B" denotes 5% tolerance which is standard.