

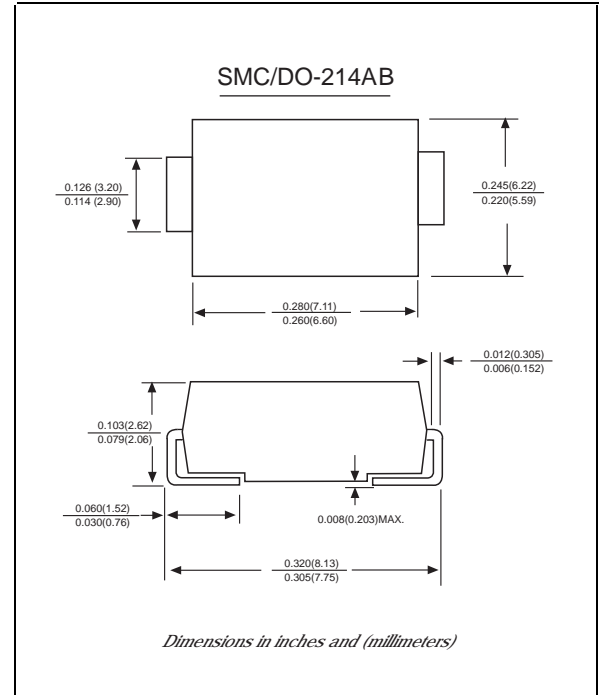
1SMC5334~1SMC5369
5000mW Zener Diodes

Features

- ◆ Low zener impedance
- ◆ Low regulation factor
- ◆ Glass passivated junction
- ◆ High temperature soldering guaranteed:
260°C/10 seconds at terminals

Mechanical Data

Case: JEDEC DO-214AB molded glass body
 Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
 Polarity: Color band denotes cathode end
 Mounting Position: Any
 Weight: 0.007 ounce, 0.25 grams



Maximum Ratings And Electrical Characteristics

Ratings at 25 C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Unit
DC Power Dissipation on $T_L=75^{\circ}\text{C}$,Measure at Zero Lead Length Derate above 75°C	P_D	5	Watts
Operating Junction and Storage Temperature Range	T_J , T_{STG}	-55 to +150	°C

Electrical Characteristics (at T_A = 25°C unless otherwise noted)

Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max. Reverse Leakage Current		Marking Code
	V _Z @ I _{ZT}			Z _{ZT} @ I _{ZT}		Z _{ZK} @ I _{ZK}		I _R @ V _R		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μA	V	
5 Watt Zener Diodes										
1SMC5334	3.6	3.42	3.78	3	350	500	1	150	1.0	334B
1SMC5335	3.9	3.71	4.10	2	320	500	1	50	1.0	335B
1SMC5336	4.3	4.09	4.52	2	290	500	1	10	1.0	336B
1SMC5337	4.7	4.47	4.94	2	264	450	1	10	1.0	337B
1SMC5338	5.1	4.85	5.36	2	240	400	1	10	1.0	338B
1SMC5339	5.6	5.32	5.88	1	220	400	1	10	2.0	339B
1SMC5340	6.0	5.70	6.30	1	200	300	1	10	3.0	340B
1SMC5341	6.2	5.89	6.51	1	200	200	1	10	3.0	341B
1SMC5342	6.8	6.46	7.14	1	175	200	1	10	5.2	342B
1SMC5343	7.5	7.13	7.88	2	175	200	1	10	5.7	343B
1SMC5344	8.2	7.79	8.61	2	150	200	1	10	6.2	344B
1SMC5345	8.7	8.27	9.14	2	150	200	1	10	6.6	345B
1SMC5346	9.1	8.65	9.56	2	150	150	1	7.5	6.9	346B
1SMC5347	10	9.5	10.5	2	125	125	1	5	7.6	347B
1SMC5348	11	10.45	11.55	3	125	125	1	5	8.4	348B
1SMC5349	12	11.4	12.6	3	100	125	1	2	9.1	349B
1SMC5350	13	12.35	13.65	3	100	100	1	1	9.9	350B
1SMC5351	14	13.3	14.7	3	100	75	1	1	10.6	351B
1SMC5352	15	14.25	15.75	3	75	75	1	1	11.5	352B
1SMC5353	16	15.2	16.8	3	75	75	1	1	12.2	353B
1SMC5354	17	16.15	17.85	3	70	75	1	0.5	12.9	354B
1SMC5355	18	17.1	18.9	3	65	75	1	0.5	13.7	355B
1SMC5356	19	18.05	19.95	3	65	75	1	0.5	14.4	356B
1SMC5357	20	19	21	3	65	75	1	0.5	15.2	357B
1SMC5358	22	20.9	23.1	4	50	75	1	0.5	16.7	358B
1SMC5359	24	22.8	25.2	4	50	100	1	0.5	18.2	359B
1SMC5360	25	23.75	26.25	4	50	110	1	0.5	19	360B
1SMC5361	27	25.65	28.35	5	50	120	1	0.5	20.6	361B
1SMC5362	28	26.6	29.4	6	50	130	1	0.5	21.2	362B
1SMC5363	30	28.5	31.5	8	40	140	1	0.5	22.8	363B
1SMC5364	33	31.35	34.65	10	40	150	1	0.5	25.1	364B
1SMC5365	36	34.2	37.8	11	30	160	1	0.5	27.4	365B
1SMC5366	39	37.05	40.95	14	30	170	1	0.5	29.7	366B
1SMC5367	43	40.85	45.15	20	30	190	1	0.5	32.7	367B
1SMC5368	47	44.65	49.35	25	25	210	1	0.5	35.8	368B
1SMC5369	51	48.45	53.55	27	25	230	1	0.5	38.8	369B