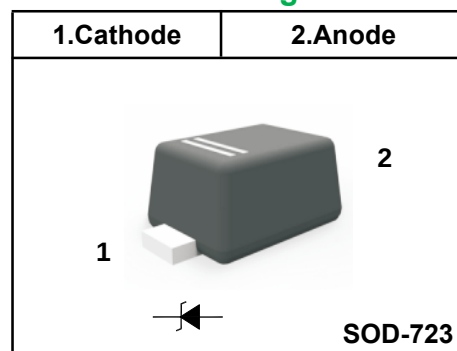


■ SILICON PLANAR ZENER DIODES

FEATURES

- Ultra Small mold type.
- High reliability.

Pinning



Absolute Maximum Ratings Ta=25°C

Parameter	Symbol	Rating	Unit
Power dissipation	P	100	mW
Jumction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C
Operating temperature	T _{opr}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS Ta=25°C

Type	Marking	Zener voltage V _z (V)			Operating resistance Z _z (Ω)		Rising operating resistance Z _{zk} (Ω)		Reverse current I _R (μA)	
		Min.	Max.	I _z (mA)	Max.	I _z (mA)	Max.	I _z (mA)	Max.	V _R (V)
VDZ3.6B	62	3.600	3.845	5.0	100	5.0	1000	1	10	1.0
VDZ3.9B	72	3.89	4.16	5.0	100	5.0	1000	1	5	1.0
VDZ4.3B	82	4.17	4.43	5.0	100	5.0	1000	1	5	1.0
VDZ4.7B	92	4.55	4.75	5.0	100	5.0	800	0.5	2.0	1.0
VDZ5.1B	A2	4.98	5.20	5.0	80	5.0	500	0.5	2.0	1.5
VDZ5.6B	C2	5.49	5.73	5.0	60	5.0	200	0.5	1.0	2.5
VDZ6.2B	E2	6.06	6.33	5.0	60	5.0	100	0.5	1.0	3.0
VDZ6.8B	F2	6.65	6.93	5.0	40	5.0	60	0.5	0.5	3.5
VDZ7.5B	H2	7.28	7.60	5.0	30	5.0	60	0.5	0.5	4.0
VDZ8.2B	J2	8.02	8.36	5.0	30	5.0	60	0.5	0.5	5.0
VDZ9.1B	L2	8.85	9.23	5.0	30	5.0	60	0.5	0.5	6.0
VDZ10B	05	9.77	10.21	5.0	30	5.0	60	0.5	0.1	7.0

Type	Marking	Zener voltage V _Z (V)			Operating resistance Z _Z (Ω)		Rising operating resistance Z _{ZK} (Ω)		Reverse current I _R (μA)	
		Min.	Max.	I _Z (mA)	Max.	I _Z (mA)	Max.	I _Z (mA)	Max.	V _R (V)
VDZ11B	15	10.76	11.22	5.0	30	5.0	60	0.5	0.1	8.0
VDZ12B	25	11.74	12.24	5.0	30	5.0	80	0.5	0.1	9.0
VDZ13B	35	12.91	13.49	5.0	37	5.0	80	0.5	0.1	10
VDZ15B	45	14.34	14.98	5.0	42	5.0	80	0.5	0.1	11
VDZ16B	55	15.85	16.51	5.0	50	5.0	80	0.5	0.1	12
VDZ18B	65	17.56	18.35	2.0	65	2.0	80	0.5	0.1	13
VDZ20B	75	19.52	20.39	2.0	85	2.0	100	0.5	0.1	15
VDZ22B	85	21.54	22.47	2.0	100	2.0	100	0.5	0.1	17
VDZ24B	95	23.72	24.78	2.0	120	2.0	120	0.5	0.1	19
VDZ27B	A5	26.19	27.53	2.0	150	2.0	150	0.5	0.1	21
VDZ30B	C5	29.19	30.69	2.0	200	2.0	200	0.5	0.1	23
VDZ33B	E5	32.15	33.79	2.0	250	2.0	250	0.5	0.1	25
VDZ36B	F5	35.07	36.87	2.0	300	2.0	300	0.5	0.1	27

Ordering information

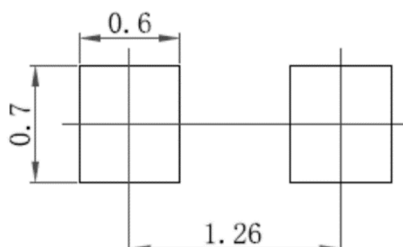
Package	Packing Description	Packing Quantity
SOD-723	Tape/Reel, 7" reel	8000PCS/Reel 320000PCS/Carton

Package Dimensions

SOD-723

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	1.30	1.50	51	59
B	0.90	1.10	35	43
C	0.55	0.65	22	26
D	0.01	0.07	1	3
E	0.25	0.35	10	14
F	0.08	0.15	3	6
G	0.52	0.58	20	23
H	0.53	0.65	21	26

The recommended mounting pad size



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