



SMA Package Silicon Zener Diode 1SMA4728A 1W 3.3V Admissible Zener Current 285mA

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: 1SMA4728A
- Minimum Order Quantity: 5000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Diode Name: Zener Diode
- Diode Package Type: DO-214AC/SMA
- Diode Zener Voltage (Nom.): 3.3V
- Diode Zener Voltage (Min.): 3.1V
- Diode Zener Voltage (Max.): 3.5V
- Diode ZZT: 10Ω
- Diode IZT: 75mA
- Admissible Zener Current: 285mA
- Highlight: 1W Zener Diode, Zener Diode 285mA, 1SMA4728A



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Product Description

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Silicon Zener Diode DATASHEET: [1SMA4728A~1SMA4764A\(SMA\)_v2311.1.pdf](#)

Silicon Zener Diode Features:

Total power dissipation: Max. 1.0 W.
Wide zener reverse voltage range 3.3V to 51V.
Small plastic package suitable for surface mounted design.
Silicon Zener Diode Mechanical Data:
Case: SMA
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 0.055g / 0.002oz

Silicon Zener Diode Symbol:



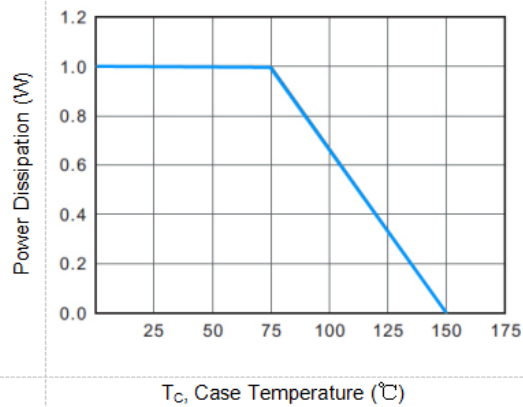
Silicon Zener Diode Absolute Maximum Ratings (TA=25 °C):

Zener Diode Parameter	Symbol	Value	Units
Power Dissipation at Tc=75°C	PD	1	W
Forward Voltage at IF = 200 mA	VF	1.2	V
Junction Temperature Range	TJ	-55 to +150	
Storage Temperature Range	TS	-55 to +150	

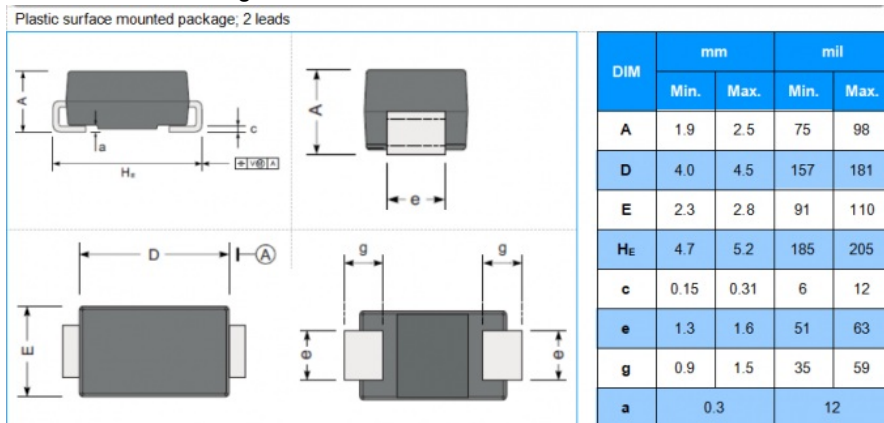
Silicon Zener Diode Electrical Characteristics (TA=25 °C):

Zener Diode Part Number	Zener Diode Zener Voltage Range (1)			Zener Diode IZT	Dynamic Impedance	Reverse Current	Admissible Zener Current	
	VZ @ IZT				ZZT @ IZT	IR @ VR		
	Min.(V)	Nom.(V)	Max.(V)	(mA)	Max.(Ω)	Max.(μA)	(V)	IZM (mA)
1SMA4728A	3.10	3.3	3.50	75	10	100	1	285
1SMA4730A	3.70	3.9	4.10	64	9	50	1	243
1SMA4731A	4.06	4.3	4.56	58	9	25	1	219
1SMA4732A	4.50	4.7	4.93	53	8	10	1	203
1SMA4733A	4.84	5.1	5.36	49	7	10	1	186
1SMA4734A	5.32	5.6	5.92	45	5	10	2	170
1SMA4735A	5.86	6.2	6.51	41	2	10	3	154
1SMA4736A	6.46	6.8	7.18	37	3.5	10	4	140
1SMA4737A	7.12	7.5	7.88	34	4	10	5	127
1SMA4738A	7.79	8.2	8.67	31	4.5	10	6	116
1SMA4739A	8.60	9.1	9.59	28	5	10	7	104
1SMA4740A	9.50	10	10.5	25	7	10	7	95
1SMA4741A	10.4	11	11.6	23	8	5	8	86
1SMA4742A	11.4	12	12.6	21	9	5	9	79
1SMA4743A	12.4	13	14.1	19	10	5	10	71
1SMA4744A	13.8	15	15.8	17	14	5	11	63
1SMA4745A	15.2	16	17.1	16	16	5	12	58
1SMA4746A	16.8	18	19.2	14	20	5	13	52
1SMA4747A	19.0	20	21.2	13	22	5	15	47
1SMA4748A	20.8	22	23.3	12	23	5	17	43
1SMA4749A	22.8	24	26.0	11	25	5	18	38
1SMA4750A	25.3	27	28.9	9.5	35	5	21	35
1SMA4751A	28.2	30	32.0	8.5	40	5	23	31
1SMA4752A	31.3	33	34.9	7.5	45	5	25	28
1SMA4753A	34.2	36	37.9	7	50	5	27	26
1SMA4754A	37.2	39	41.5	6.5	60	5	30	24
1SMA4755A	40.9	43	45.6	6	70	1	32	22
1SMA4756A	44.9	47	49.8	5.5	80	1	35	20
1SMA4757A	48.6	51	54.0	5	95	1	38	18

Silicon Zener Diode Rating and Characteristic Curves:
Fig. 1. Maximum Continuous Power Derating



DO-214AC/SMA Package Outline Silicon Zener Diode Dimensions:



DO-214AC/SMA Package Silicon Zener Diode Ordering Information:

Silicon Zener Diode Part Number	Component Package	Silicon Zener Diode Quantity
1SMA4728A~1SMA4764A	DO-214AC/SMA	5000 PCS



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