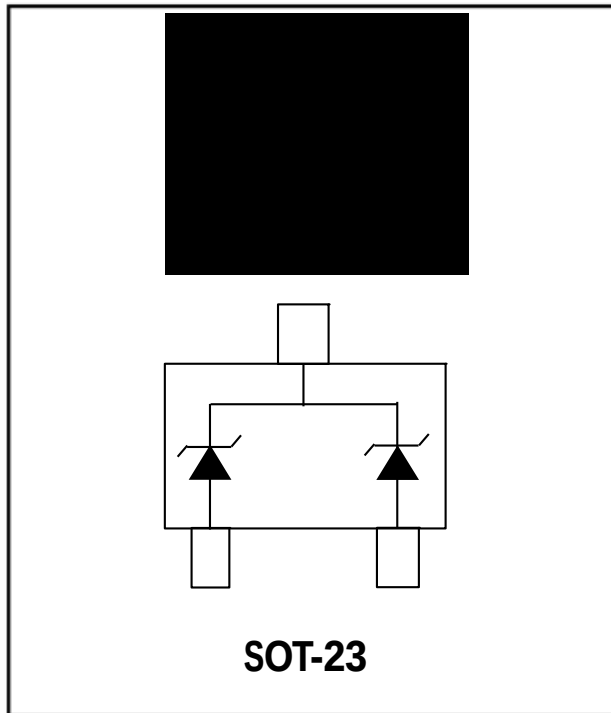


2- Line, Uni-directional, ESD protection diode



Features

- Transient protection for each line according to IEC61000-4-2(ESD): IEC61000-4-5:14
- Low leakage current
- Ultra low clamping voltage
- RoHS Compliant
- Part no. with suffix "Q" means AEC-Q101 qualified

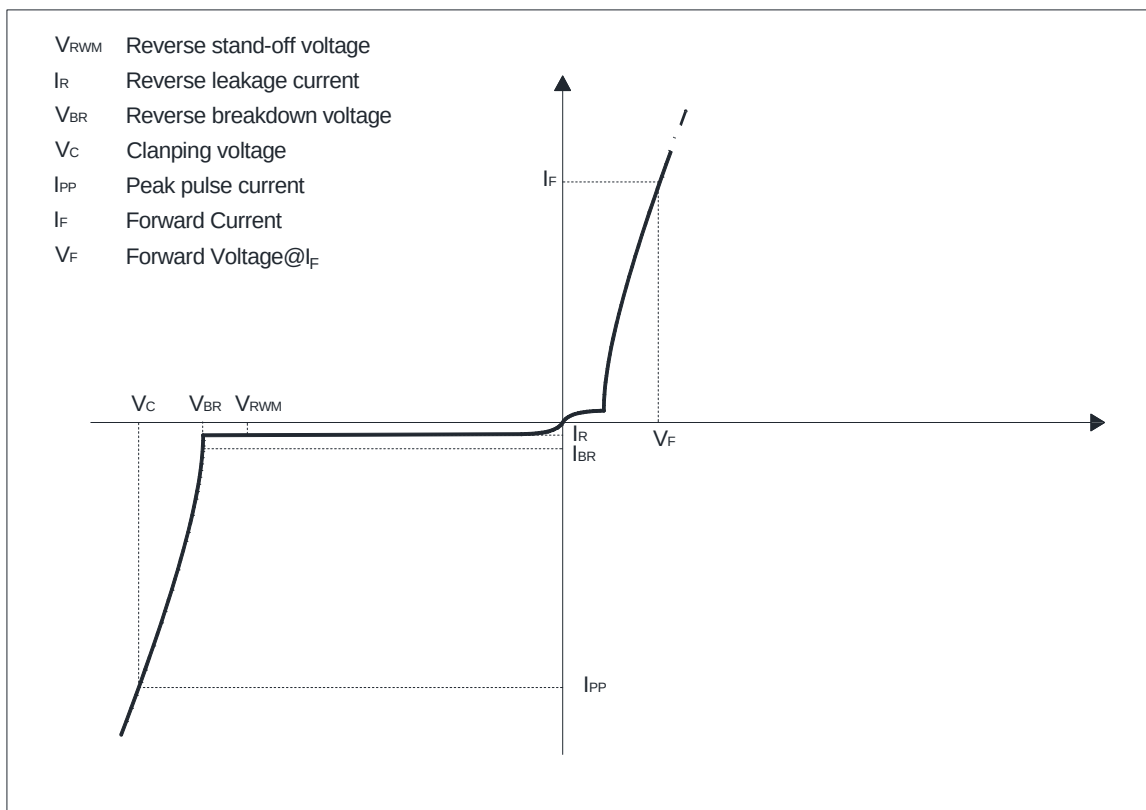
Applications

- Vehicle domain controller ,VCU electrostatic protection
- Electrostatic protection for automotive electronic multimedia interface
- CAN Bus protection
- Automotive applications

Mechanical Data

- Package: SOT-23
- Lead Finish: Matte Tin
- Case Material: "Green" Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020

■Definitions of electrical characteristics

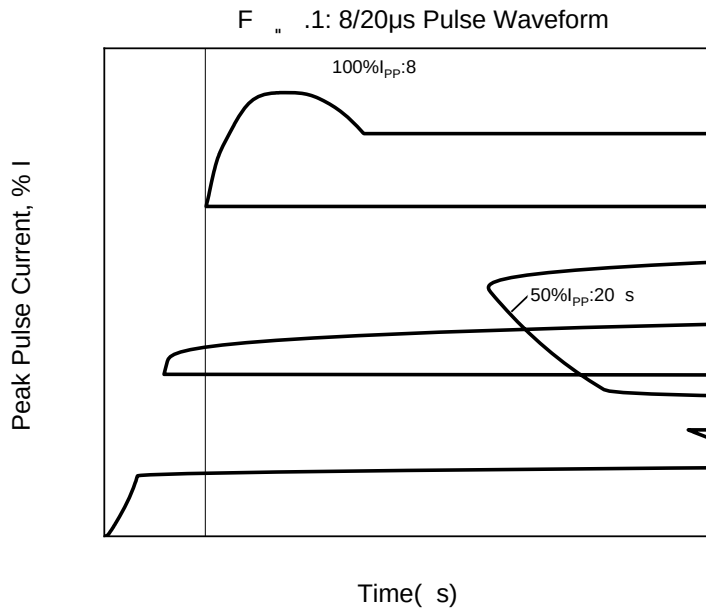




ESD0302ETSQ

■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}	210	W



Technical drawing of a component with dimensions and a table of body sizes.

Top View: Shows a rectangular component with overall dimensions D and E . A central feature has a width of b . The component is mounted on two pins, each with a diameter of $\varnothing 0.5$.

Side View: Shows the component's profile with a total height of 0.5 . The top surface is labeled $L1$ and the bottom surface is labeled L . A central feature has a width of 0.25 .

Table of Body Sizes:

Body Size	Length (mm)	Width (mm)	Height (mm)
0.5mm	1.300	1.300	0.500
1.0mm	2.600	2.600	1.000
1.5mm	3.900	3.900	1.500
2.0mm	5.200	5.200	2.000
2.5mm	6.500	6.500	2.500
3.0mm	7.800	7.800	3.000
3.5mm	9.100	9.100	3.500
4.0mm	10.400	10.400	4.000
4.5mm	11.700	11.700	4.500
5.0mm	13.000	13.000	5.000
5.5mm	14.300	14.300	5.500
6.0mm	15.600	15.600	6.000
6.5mm	16.900	16.900	6.500
7.0mm	18.200	18.200	7.000
7.5mm	19.500	19.500	7.500
8.0mm	20.800	20.800	8.000
8.5mm	22.100	22.100	8.500
9.0mm	23.400	23.400	9.000
9.5mm	24.700	24.700	9.500
10.0mm	26.000	26.000	10.000
10.5mm	27.300	27.300	10.500
11.0mm	28.600	28.600	11.000
11.5mm	29.900	29.900	11.500
12.0mm	31.200	31.200	12.000
12.5mm	32.500	32.500	12.500
13.0mm	33.800	33.800	13.000
13.5mm	35.100	35.100	13.500
14.0mm	36.400	36.400	14.000
14.5mm	37.700	37.700	14.500
15.0mm	39.000	39.000	15.000
15.5mm	40.300	40.300	15.500
16.0mm	41.600	41.600	16.000
16.5mm	42.900	42.900	16.500
17.0mm	44.200	44.200	17.000
17.5mm	45.500	45.500	17.500
18.0mm	46.800	46.800	18.000
18.5mm	48.100	48.100	18.500
19.0mm	49.400	49.400	19.000
19.5mm	50.700	50.700	19.500
20.0mm	52.000	52.000	20.000
20.5mm	53.300	53.300	20.500
21.0mm	54.600	54.600	21.000
21.5mm	55.900	55.900	21.500
22.0mm	57.200	57.200	22.000
22.5mm	58.500	58.500	22.500
23.0mm	59.800	59.800	23.000
23.5mm	61.100	61.100	23.500
24.0mm	62.400	62.400	24.000
24.5mm	63.700	63.700	24.500
25.0mm	65.000	65.000	25.000
25.5mm	66.300	66.300	25.500
26.0mm	67.600	67.600	26.000
26.5mm	68.900	68.900	26.500
27.0mm	70.200	70.200	27.000
27.5mm	71.500	71.500	27.500
28.0mm	72.800	72.800	28.000
28.5mm	74.100	74.100	28.500
29.0mm	75.400	75.400	29.000
29.5mm	76.700	76.700	29.500
30.0mm	78.000	78.000	30.000
30.5mm	79.300	79.300	30.500
31.0mm	80.600	80.600	31.000
31.5mm	81.900	81.900	31.500
32.0mm	83.200	83.200	32.000
32.5mm	84.500	84.500	32.500
33.0mm	85.800	85.800	33.000
33.5mm	87.100	87.100	33.500
34.0mm	88.400	88.400	34.000
34.5mm	89.700	89.700	34.500
35.0mm	91.000	91.000	35.000
35.5mm	92.300	92.300	35.500
36.0mm	93.600	93.600	

[illegible]

1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black



Disclaimer

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