

Discription

The HPJSD36W_R1_00001 protects sensitive semiconductor	
components from damage or upset due to electrostatic	
discharge (ESD) and other voltage induced transient events.	
Excellent clamping capability, low leakage, low capacitance,	HXY
and fast response time provide best in class	
protection on designs that are exposed to ESD.	
It gives designer the flexibility to protect one unidirectional	
line in applications where arrays are not practical.	SOD-323

Features

- ★ Small Body Outline Dimensions
- ★ Low Body Height
- ★ Stand-off Voltage: 36V
- ★ Peak Power up to 300 Watts @ 8 x 20 us Pulse
- ★ Low Leakage
- ★ Response Time is Typically < 1 ns
- ★ ESD Rating of Class 3 per Human Body Model
- ★ IEC61000-4-2 Level 4 ESD Protection
- ★ IEC61000-4-4 Level 4 EFT Protection
- ★ We declare that the material of product compliance with RoHS requirements.

Orderingin formation





Circuit Diagram

Product ID	Pack	Qty(PCS)
HPJSD36W_R1_00001	SOD-323	3000

Absolute Ratings(Tamb = 25°C)

Symbol	Parameter	Value	Units	
P _{PP}	Peak Pulse Power (t _p = 8/20µs)	450	W	
TL	Maximum lead temperature for soldering during 10s	260	°C	
T _{stg}	Storage Temperature Range	-55 to +150	°C	
T _{op}	Operating Temperature Range		-40 to +125	°C
Tj	Maximum junction temperature		150	°C
	IEC61000-4-2 (ESD) air di contact dis	scharge scharge	土15 土8	KV



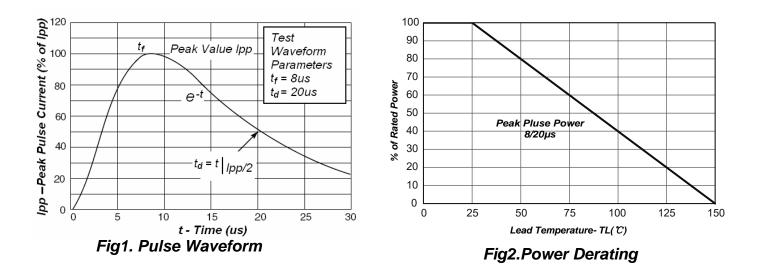
Device	V _{RWM} (V)	I _R (uA) @ V _{RWM}	V _{BR} (V)@ I _T (Note 1)	_	V _c (V) @ Max I _{PP} *	І _{РР} (А)*	Р _{РК} (W)*	C (pF)
	Мах	Max	Min	mA	Max	Max	Max	Тур
HPJSD36W_R1_00001	36	1.0	38	1.0	63	6	450	30

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

*Surge current waveform per Figure 1.

1. V_{BR} is measured with a pluse test current I_T at an ambient temperature of $25\,^\circ\!\!\mathbb{C}$.

Typical Characteristics





Outline And Dimensions

H_E D-

2

A1

Notes:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.

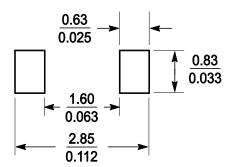
2. CONTROLLING DIMENSION: MILLIMETERS.

3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.

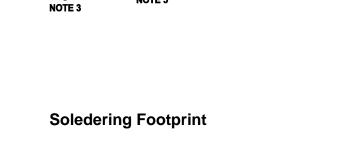
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD

FLASH, PROTRUSIONS OR GATE BURRS.

	MIL	LIMETE	ERS	INCHES		
DIM	MIN	NOM	MAX	MIN	NOM	MAX
Α	0.8	0.9	1	0.031	0.035	0.04
A1	0	0.05	0.1	0	0.002	0.004
A3	0.15REF			0.006REF		
b	0.25	0.32	0.4	0.01	0.012	0.016
С	0.089	0.12	0.177	0.003	0.005	0.007
D	1.6	1.7	1.8	0.062	0.066	0.07
Е	1.15	1.25	1.35	0.045	0.049	0.053
L	0.08			0.003		
H _E	2.3	2.5	2.7	0.09	0.098	0.105



Α3



NOTE 5



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