

Discription

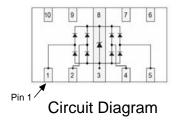
The HAOZ8808DI-05 is a 4-channel ultra low capacitance rail clam ESD protection diodes array . Each channel consists of a pair of diodes that steer positive or negative ESD current to either the positive or negative rail . A zener diode is integrated in to the array between the positive and negative supply rails. In the typical applications, the negative rail pin (assigned as GND) is connected with system ground . The Positive ESD current is steered to the ground through an ESD diode and Zener diode and the positive ESD voltage is clamped to the zener voltage.



DFN2510-10L

Features

- ★ 4 channels of ESD protection;
- ★ Provides ESD protection to IEC61000-4-2 level 4
 - ±17kV air discharge
 - ±12kV contact discharge;
- ★ Ultra-low Capacitance:0.6pF(Typical)
- ★ Low clamping voltage;
- ★ Low operating voltage;
- ★ Solid-state silicon technology
- ★ Protecting four I/O line
- ★ RoHS compliant and Halogen Free.



Orderingin formation

Product ID	Pack	Qty(PCS)
HAOZ8808DI-05	DFN2510-10L	3000

Absolute Ratings(Tamb = 25°C)

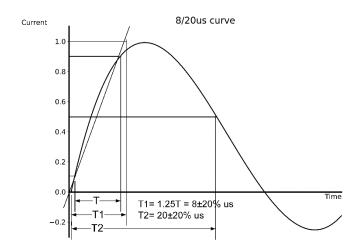
Symbol	Units
P_{PP}	W
I_{PP}	Α
T_L	°C
T _{stg}	°C
T _{op}	°C
Tj	°C
	KV
T _j	



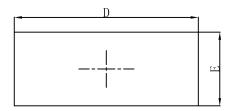
Electrical Characteristics (Ta= 25℃)

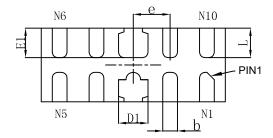
Symbol	Parameter	Test Condition	Min	Тур	Max	Units
V _{RWM}	Reverse Working Voltage				5.0	V
V _{BR}	Reverse Breakdown Voltage	Iτ = 1mA	6.0			V
I R	Reverse Leakage Current	V _{RWM} = 5.0V			1.0	μΑ
V _c Clan	Clamping Valtage	$I_{RWM} = 1A, t_P = 8/20 \mu s$		8.5		V
	Clamping Voltage	$I_{RWM} = 3A, t_P = 8/20 \mu s$		12		V
CJ	Junction Capacitance	V _R = 0V, f = 1MHz Any I/O pin to GND		0.6		pF
CJ	Junction Capacitance	V _R = 0V, f = 1MHz Any I/O pin to I/O		0.3		pF

Typical Characteristics

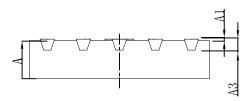


Outline And Dimensions





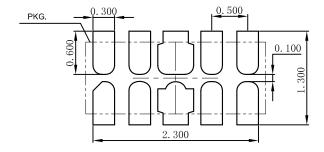
Bottom View



Side View

Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min.	Max.	Min.	Max.	
Α	0.450	0.550	0.017	0.022	
A1	0.000	0.050	0.000	0.002	
A3	0.152REF.		0.006REF.		
D	2.450	2.550	0.096	0.100	
Е	0.950	1.050	0.037	0.041	
D1	0.350	0.450	0.014	0.018	
E1	0.350	0.450	0.014	0.018	
b	0.150	0.250	0.006	0.010	
е	0.500TYP.		0.020TYP.		
L					

Soledering Footprint





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