

ESD Protection Diode

Primary characteristics				
Parameter	Symbol	Value	Unit	
Working reverse voltage	V _{RWM}	5.0	V	
ESD per IEC 61000-4-2 (contact)	V _{ESD}	±25	kV	
ESD per IEC 61000-4-2 (air)	V _{ESD}	±30	kV	

Features

- **DFN1006** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- IEC61000-4-2 ESD protection
- Peak pulse current per line (t_P=8/20us) can reach 5A

Applications

- Serial and parallel ports
- Notebooks, desktops, servers
- Projection TV
- Cellular handsets and accessories
- Portable instrumentation
- 10/100/1000 Mbits/s Ethernet
- Digital Visual Interface (DVI)



D1111000							
Unit	D	Е	L1	L2	Α	b	е
	0.60	1.00	0.25	0.25	0.50	0.50	0.64
mm	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05	BSC

Maximum ratings and electrical characteristics ($T_a = 25^{\circ}C$)						
Characteristics	Test condition	Symbol	Value			L Lucit
			Min.	Тур.	Max.	Unit
ESD per IEC 61000-4-2 (contact)		V	-25	-	+25	kV
ESD per IEC 61000-4-2 (air)	-	V ESD	-30	-	+30	kV
Operating temperature	-	T _{OPT}	-55	-	125	°C
Storage temperature	-	T _{STG}	-55	-	150	°C
Solder temperature		ΤL			260	°C
Reverse working voltage	-	V _{RWM}	-	-	5.0	V
Reverse breakdown voltage	I _T =1.0mA	V_{BR}	6.0	7.5	9.0	V
Reverse leakage current	V _{RWM} =24V	I _R	-	0.1	1.0	ųА
Clamping voltage	I _{PP} =1.0A, t _p =8/20ys	Vc	-	-	10	V
Junction capacitance	V _R =0V, f=1.0MHz	CJ	-	0.7	0.9	рF











Ordering information				
Part Number	Package	Shipping Quantity		
SLESD9N5BU-2/TR	DFN1006	10 000 pcs / 7" reel		

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