/ Descriptions

SOD-323 ESD

SOD-323 Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

/ Features

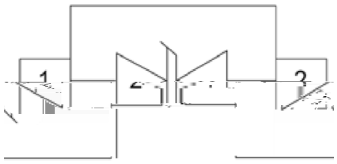
1ns 30KV IEC61000-4-2 4 ESD

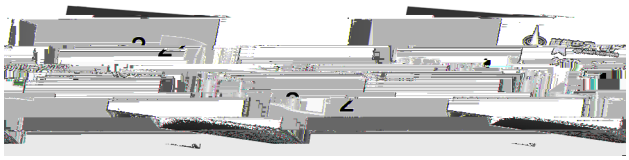
Ultra small package, Response Time is Typically < 1 ns, ESD > 30 kV per Human Body Model,IEC61000−4−2 Level 4 ESD Protection,HF Product.

/ Applications

MP3

Suitable for cellular phones audio,MP3 players, Digital cameras, Portable devices, mobile telephone and other users.





/ Marking

See Marking Instructions.

/ Absolute Maximum Ratings

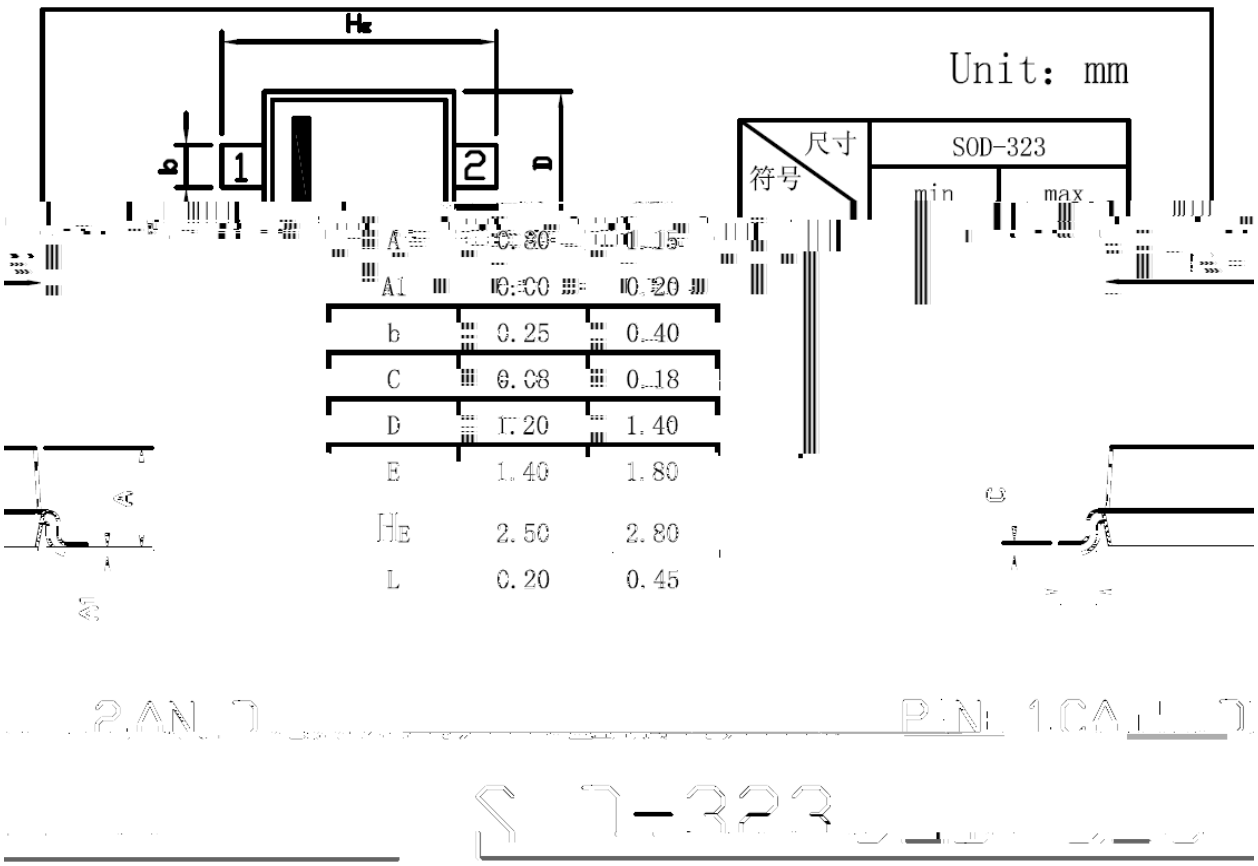
Parameter	Symbol	Rating	Unit
Peak Pulse Power(t_p = 8/20μs)	P_{PK}	320	W
Peak Pulse Current(t_p = 8/20μs)	I_{PP}	5	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T_J	-55~+150	
Storage Temperature	T_{STG}	-55~+150	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				36	V
Reverse leakage current	I_R	V_{RWM} = 24V			1	uA
Reverse breakdown voltage [1)]	V_{BR}	I_T=1mA	40			V
Clamping voltage [2)]	V_{CL}	I_{PP} = 1A t_p = 8/20μs			60	V
		I_{PP} = 5A t_p = 8/20μs			75	V
Junction Capacitance	C_J	V_R = 0V f = 1MHz		15	20	pF

V_{BR} is measured with a pulse test current IT at an ambient temperature of 25 .

/ Package Dimensions



/ Marking Instructions



2N:

Note:

2N Product Type Code