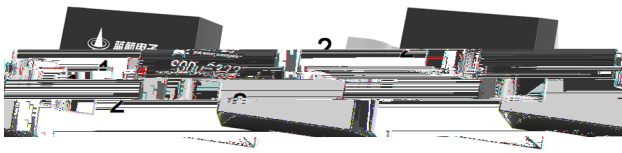
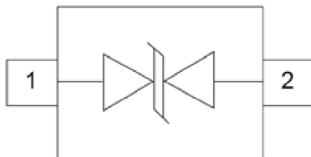


SOD-323 Plastic Package 1-Line,Bi-directional , ESD Protection Diode.

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



See Marking Instructions.

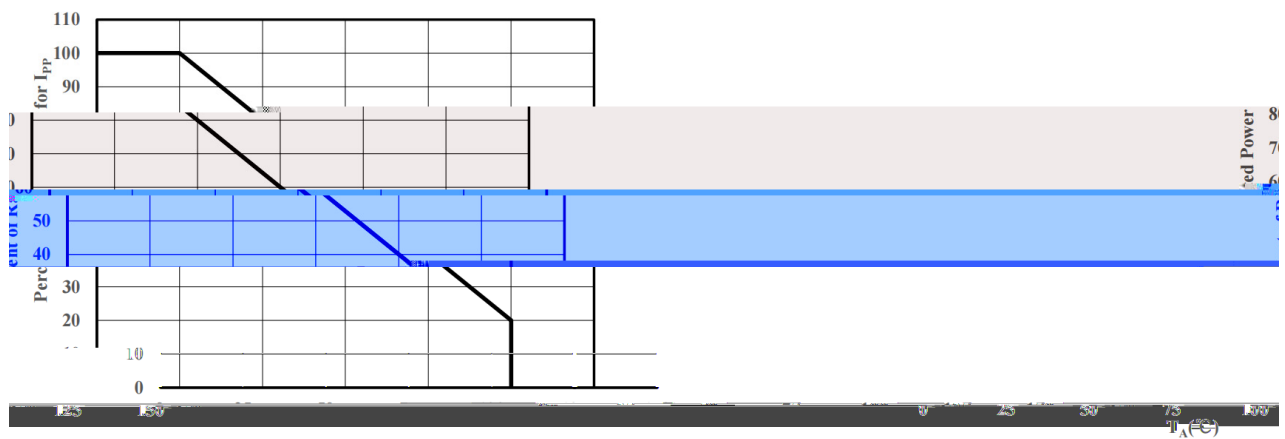
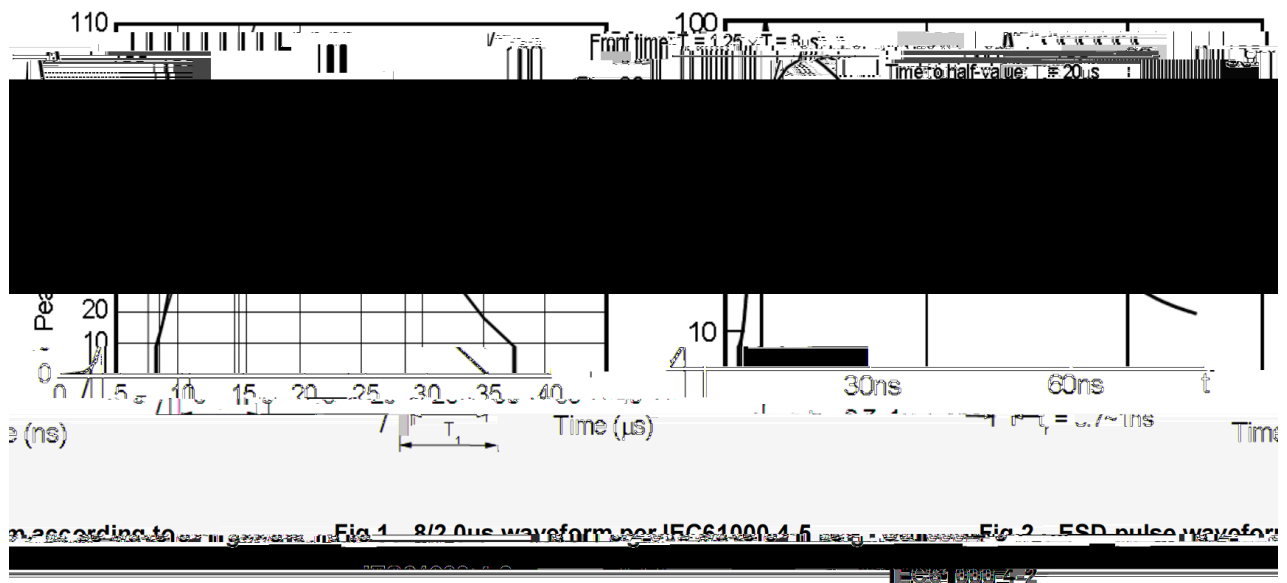
Parameter	Symbol	Rating	Unit
Peak Pulse Power($t_p = 8/20\mu s$)	P_{PK}	350	W
Peak Pulse Current($t_p = 8/20\mu s$)	I_{PP}	8	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	-55~+125	
Storage Temperature	T_{STG}	-55~+150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse maximum working voltage	V_{RWM}				24	V
Reverse leakage current	I_R	$V_{RWM} = 24V$			1	μA
Reverse breakdown voltage ¹⁾	V_{BR}	$I_T = 1mA$	26.7		33	V
Clamping voltage ²⁾	V_{CL}	$I_{PP} = 5A \quad t_p = 8/20\mu s$			40	V
		$I_{PP} = 8A \quad t_p = 8/20\mu s$			44	V
Junction Capacitance	C_J	$V_R = 0V \quad f = 1MHz$			50	pF

Notes:

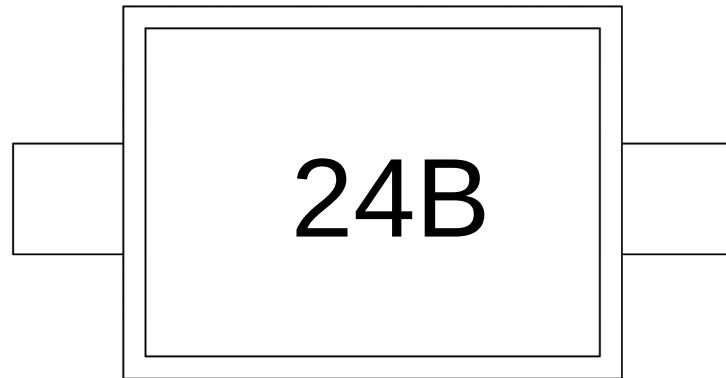
1) V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25 .

2) Non-repetitive current pulse, according to IEC61000-4-5.



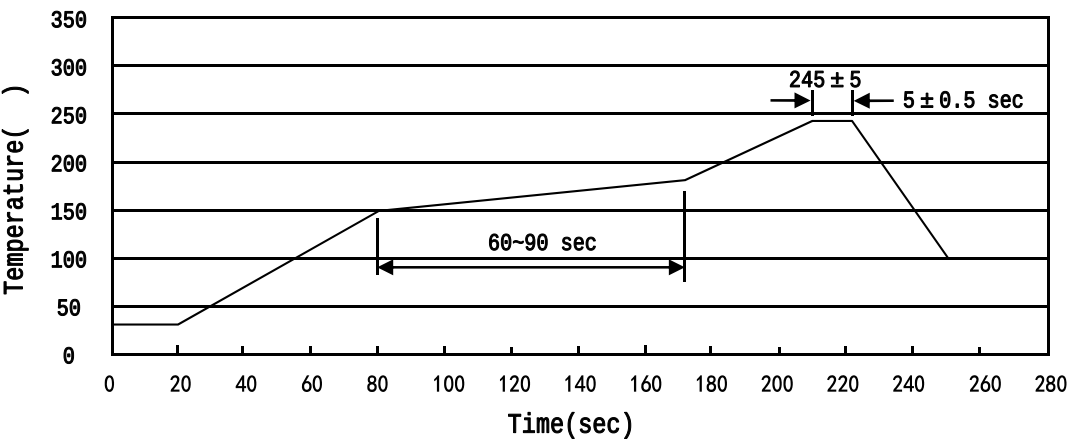
urve

Fig 3 Power Derating Cu



Note:

Product Type Code



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245 5

5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

260 5

10 1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm ³)
SOD-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205