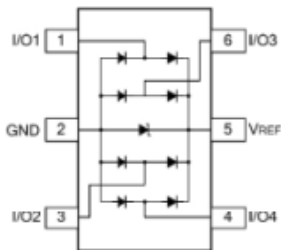


Low Capacitance TVS Array in a SOT23-6 Plastic Package.

Small package saves board space Protects up to four I/O lines & power line Low capacitance for high-speed interfaces Low leakage current and clamping voltage Low operating voltage.

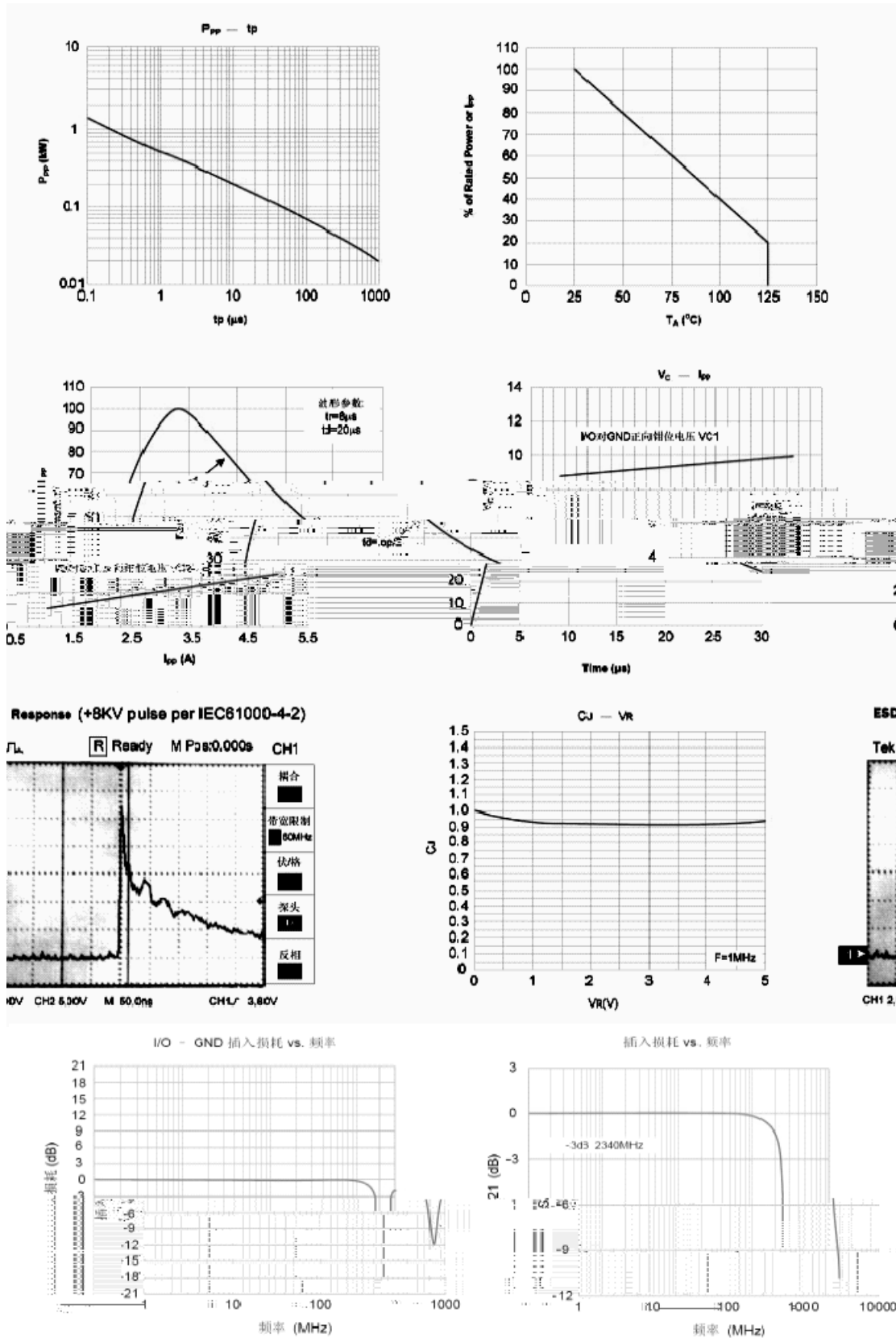
Transient protection for high-speed data lines to IEC 61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact) for USB 2.0, Monitors and Flat Panel Displays.

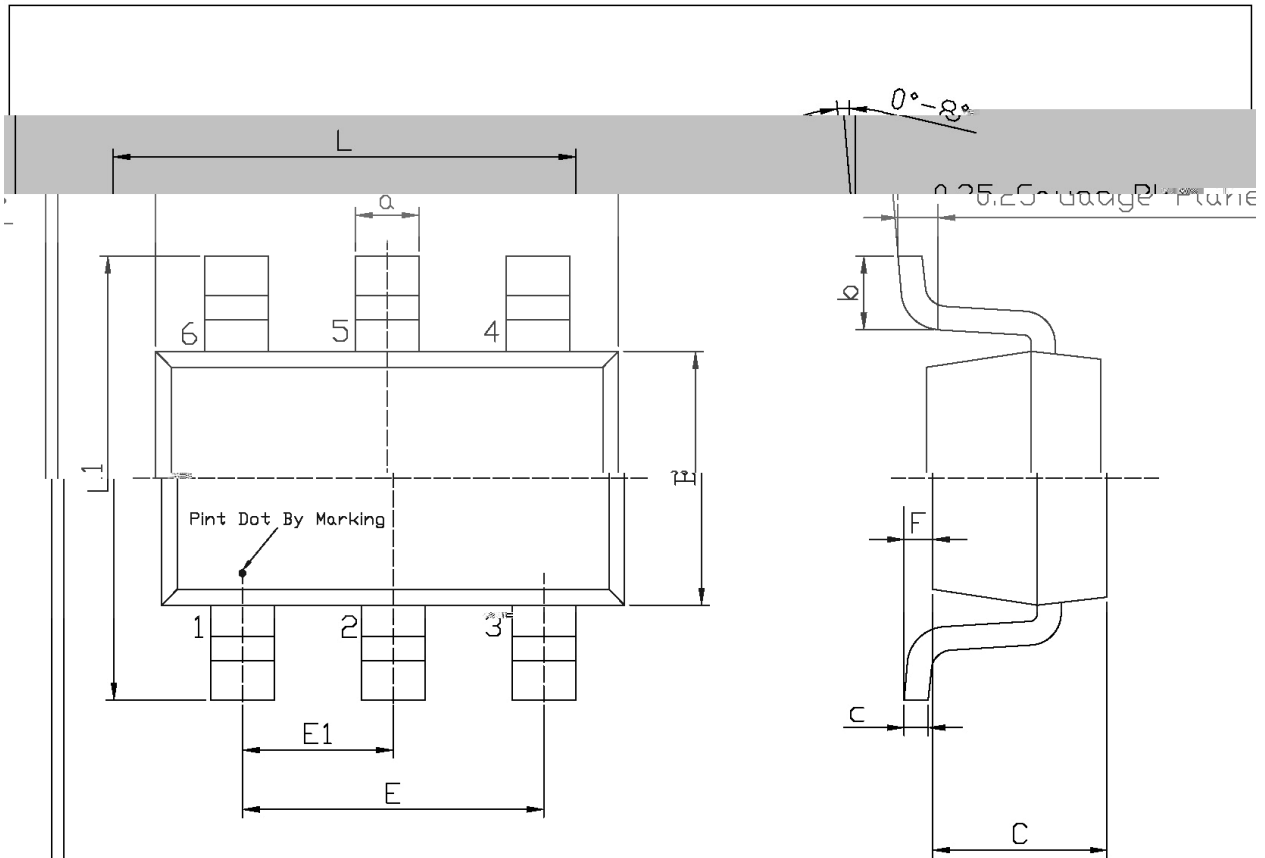


Marking	24B*
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Parameter	Symbol	Rating	Unit
Peak Pulse Power (tp = 8/20 s)	PPP	150	W
Peak Pulse Current (tp = 8/20 s)	IPP	6	A
ESD per IEC 61000-4-2 (Air)	VESD 1 IEC 61000-4-2 (Air)	±15	kV
ESD per IEC 61000-4-2 (Contact)	VESD 2 IEC 61000-4-2 (Contact)	±8	kV
Operating Temperature	TOPR	-55 to 125	
Storage Temperature	TSTG	-55 to 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Stand-Off Voltage	V _{RWM}	Pin 5 to GND			5	V
Reverse Breakdown Voltage	V _{BR}	Pin 5 to GND I _t =1mA	6			V
Reverse Leakage Current	I _R	V _{RWM} =5V T=25 Pin 5 to GND			2	A
Clamping Voltage	V _C	I _{PP} =1A tp=8/20 s Any I/O pin to GND		8.5	12	V
Junction Capacitance	C _{J1}	V _R =0V f=1MHz Any I/O pin to GND			3	pF
Junction Capacitance	C _{J2}	V _R =0V f=1MHz Between I/O pins			1.5	pF

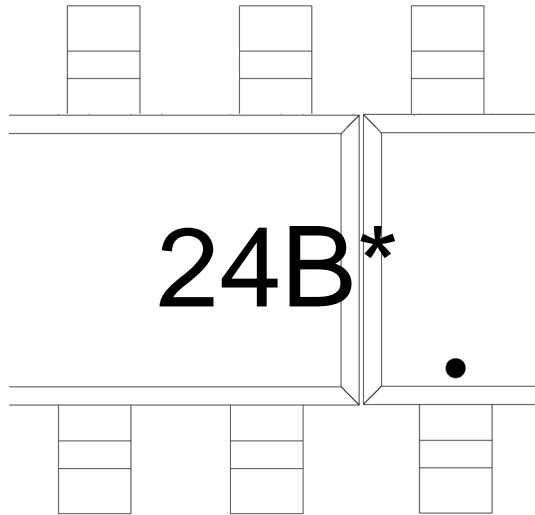




Unit: mm

Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
L	2.80	3.00	E1	0.95	1.05
B	1.50	1.70	a	0.35	0.50
C	0.90	1.30	c	0.10	0.20
L1	2.60	3.00	h	0.25	0.55
E	1.80	2.00	F	0	0.15

SUT23-6

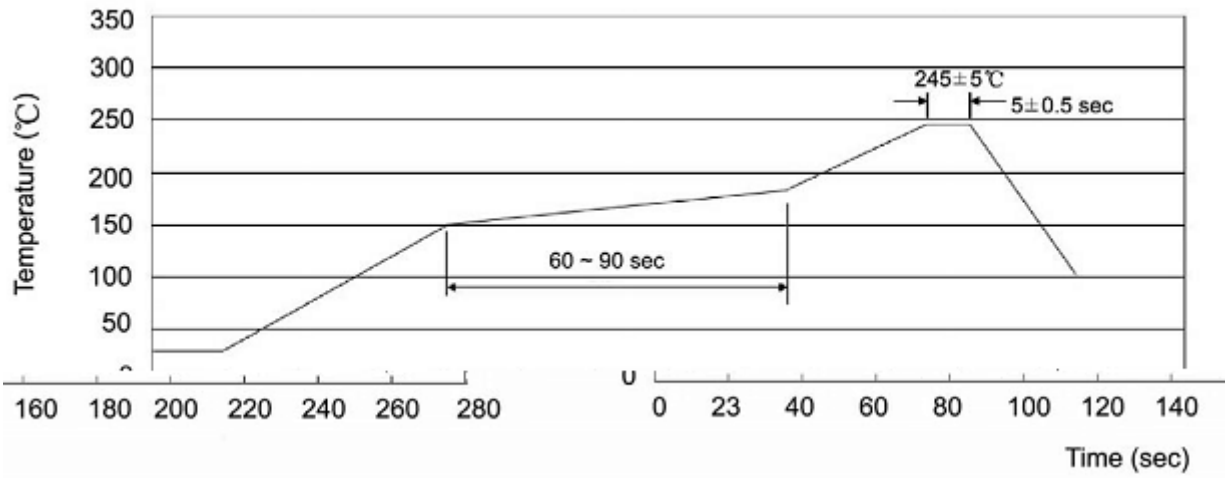


Note:

24B: Product Type Code

: Lot No. Code, code change with Lot No.

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Note:

- 1 25 150 60 90sec; 1.Preheating:25~150 , 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)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT23-5/6	3,000	10	30,000	4	120,000	7 ×8	210×205×205	445×230×435