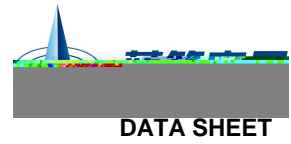


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Rev.A Feb.-2022



SOT-23

NPN

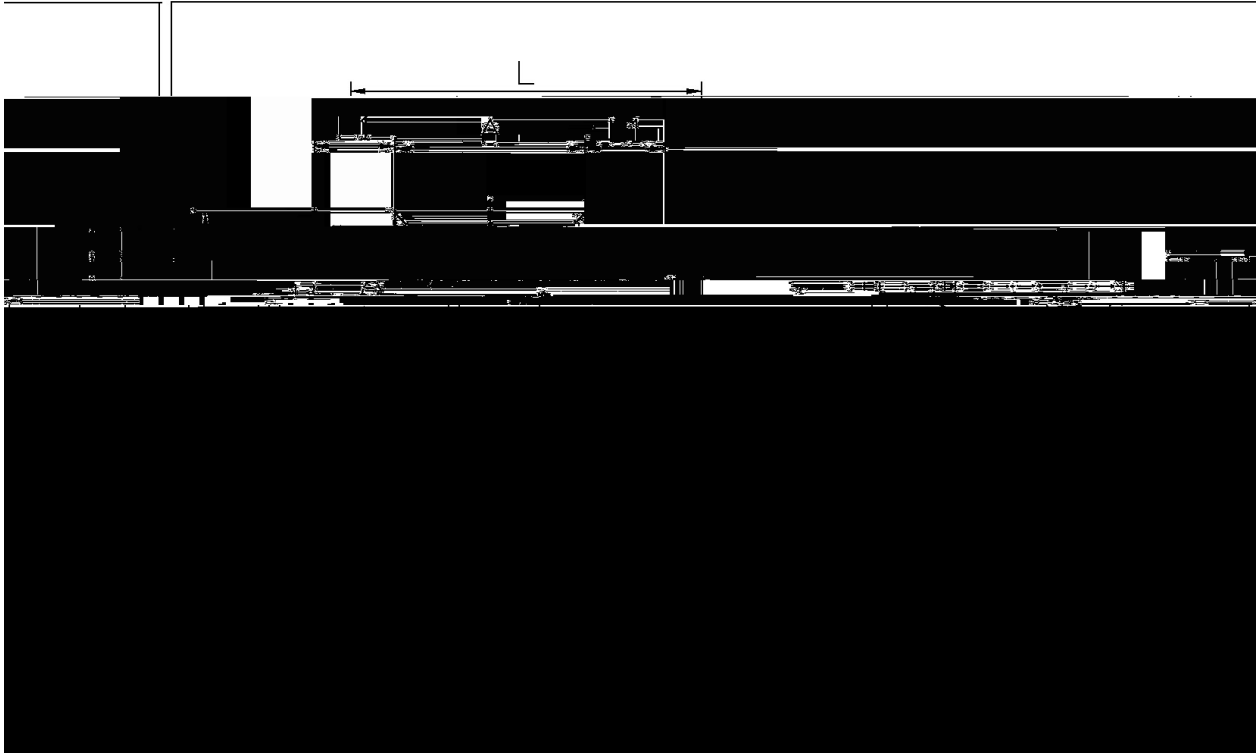
Silicon NPN transistor in a SOT-23









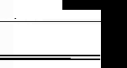



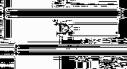





























































































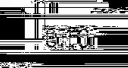





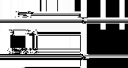



























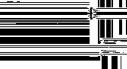




























































































































Parameter

Symbol



/ Package Dimensions



Symbol	Dimensions In Micrometers	Symbol	Dimensions In Millimeters
	120		12.0
	130		13.0
	140		14.0
	150		15.0
	160		16.0
	170		17.0
	180		18.0
	190		19.0
	200		20.0
	210		21.0
	220		22.0
	230		23.0
	240		24.0
	250		25.0
	260		26.0
	270		27.0
	280		28.0
	290		29.0
	300		30.0
	310		31.0
	320		32.0
	330		33.0
	340		34.0
	350		35.0
	360		36.0
	370		37.0
	380		38.0
	390		39.0
	400		40.0
	410		41.0
	420		42.0
	430		43.0
	440		44.0
	450		45.0
	460		46.0
	470		47.0
	480		48.0
	490		49.0
	500		50.0
	510		51.0
	520		52.0
	530		53.0
	540		54.0
	550		55.0
	560		56.0
	570		57.0
	580		58.0
	590		59.0
	600		60.0
	610		61.0
	620		62.0
	630		63.0
	640		64.0
	650		65.0
	660		66.0
	670		67.0
	680		68.0
	690		69.0
	700		70.0
	710		71.0
	720		72.0
	730		73.0
	740		74.0
	750		75.0
	760		76.0
	770		77.0
	780		78.0
	790		79.0
	800		80.0
	810		81.0
	820		82.0
	830		83.0
	840		84.0
	850		85.0
	860		86.0
	870		87.0
	880		88.0
	890		89.0
	900		90.0
	910		91.0
	920		92.0
	930		93.0
	940		94.0
	950		95.0
	960		96.0
	970		97.0
	980		98.0
	990		99.0
	1000		100.0
	1010		101.0
	1020		102.0
	1030		103.0
	1040		104.0
	1050		105.0
	1060		106.0
	1070		107.0
	1080		108.0
	1090		109.0
	1100		110.0
	1110		111.0
	1120		112.0
	1130		113.0
	1140		114.0
	1150		115.0
	1160		116.0
	1170		117.0
	1180		118.0
	1190		119.0
	1200		120.0
	1210		121.0
	1220		122.0
	1230		123.0
	1240		124.0
	1250		125.0
	1260		126.0
	1270		127.0
	1280		128.0
	1290		129.0
	1300		130.0
	1310		131.0
	1320		132.0
	1330		133.0
	1340		134.0
	1350		135.0
	1360		136.0
	1370		137.0
	1380		138.0
	1390		139.0
	1400		140.0
	1410		141.0
	1420		142.0
	1430		143.0
	1440		



( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)


Note:

- |   |       |     |           |         |  |
|---|-------|-----|-----------|---------|--|
| 1 | 150   | 200 | 60        | 120sec; | 1.Preheating:150~200°C, Time:60~120sec.  |
| 2 | 255±5 |     | 5±0.5sec; |         | 2.Peak Temp.:255±5°C, Duration:5±0.5sec. |
| 3 |       | 2   | 10°C/sec. |         | 3. Cooling Speed: 2~10°C/sec.            |

/ Resistance to Soldering Heat Test Conditions

260±5°C                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box	Units/Outer Box			
SOT-23	3,000	10	30,000	6	180,000	7" x8	180x120x180	390x385x205