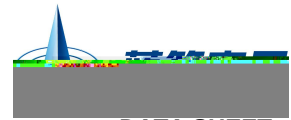


		! " #	\$! % & '	! () % * +	, -	. /
				0 1 2 3 4 5 6 7 8	9 : ;	< = >
				? @ 4 4 A 0 1) B C 3 4 D E 7 8 F G H I J K L M N O P Q R S T U D E B C % V W Q R X Y Z [\ A] ^ _ ` A a b c d \ e f \ g ] ^ _ ` A a b c d \ h	i j	< = >

BRBC847Q

Rev.A Feb.-2022



DATA SHEET

SOT-23

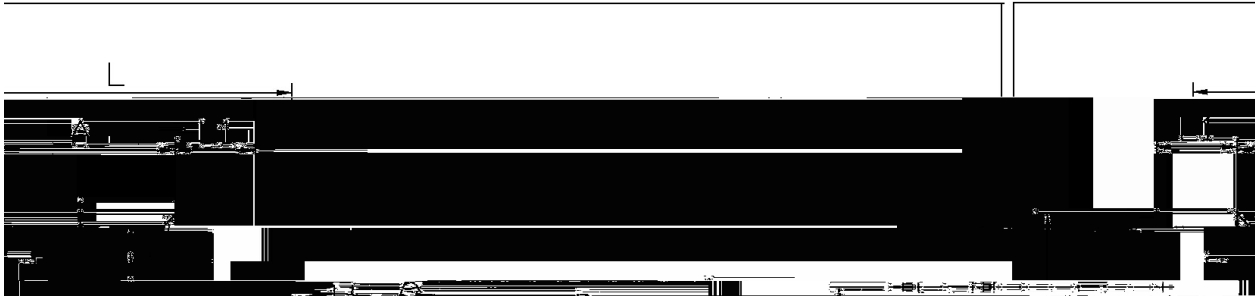
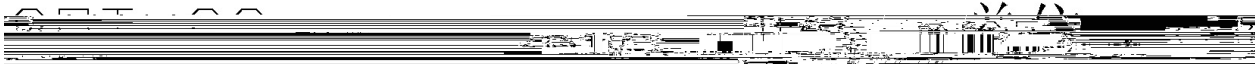
NPN

Silicon NPN transistor in a SOT-23

Parameter

Symbol

/ Package Dimensions



Dimensions	Symbol	Dimensions In Millimeters	Symbol	Dimensions In Millimeters
Pin 1 to Pin 2	1	1.27	Pin 1 to Pin 2	1
Pin 2 to Pin 3	2	1.27	Pin 2 to Pin 3	2
Pin 3 to Pin 4	3	1.27	Pin 3 to Pin 4	3
Pin 4 to Pin 5	4	1.27	Pin 4 to Pin 5	4
Pin 5 to Pin 6	5	1.27	Pin 5 to Pin 6	5
Pin 6 to Pin 7	6	1.27	Pin 6 to Pin 7	6
Pin 7 to Pin 8	7	1.27	Pin 7 to Pin 8	7
Pin 8 to Pin 9	8	1.27	Pin 8 to Pin 9	8
Pin 9 to Pin 10	9	1.27	Pin 9 to Pin 10	9
Pin 10 to Pin 11	10	1.27	Pin 10 to Pin 11	10
Pin 11 to Pin 12	11	1.27	Pin 11 to Pin 12	11
Pin 12 to Pin 13	12	1.27	Pin 12 to Pin 13	12
Pin 13 to Pin 14	13	1.27	Pin 13 to Pin 14	13
Pin 14 to Pin 15	14	1.27	Pin 14 to Pin 15	14
Pin 15 to Pin 16	15	1.27	Pin 15 to Pin 16	15
Pin 16 to Pin 17	16	1.27	Pin 16 to Pin 17	16
Pin 17 to Pin 18	17	1.27	Pin 17 to Pin 18	17
Pin 18 to Pin 19	18	1.27	Pin 18 to Pin 19	18
Pin 19 to Pin 20	19	1.27	Pin 19 to Pin 20	19
Pin 20 to Pin 21	20	1.27	Pin 20 to Pin 21	20
Pin 21 to Pin 22	21	1.27	Pin 21 to Pin 22	21
Pin 22 to Pin 23	22	1.27	Pin 22 to Pin 23	22
Pin 23 to Pin 24	23	1.27	Pin 23 to Pin 24	23
Pin 24 to Pin 25	24	1.27	Pin 24 to Pin 25	24
Pin 25 to Pin 26	25	1.27	Pin 25 to Pin 26	25
Pin 26 to Pin 27	26	1.27	Pin 26 to Pin 27	26
Pin 27 to Pin 28	27	1.27	Pin 27 to Pin 28	27
Pin 28 to Pin 29	28	1.27	Pin 28 to Pin 29	28
Pin 29 to Pin 30	29	1.27	Pin 29 to Pin 30	29
Pin 30 to Pin 31	30	1.27	Pin 30 to Pin 31	30
Pin 31 to Pin 32	31	1.27	Pin 31 to Pin 32	31
Pin 32 to Pin 33	32	1.27	Pin 32 to Pin 33	32
Pin 33 to Pin 34	33	1.27	Pin 33 to Pin 34	33
Pin 34 to Pin 35	34	1.27	Pin 34 to Pin 35	34
Pin 35 to Pin 36	35	1.27	Pin 35 to Pin 36	35
Pin 36 to Pin 37	36	1.27	Pin 36 to Pin 37	36
Pin 37 to Pin 38	37	1.27	Pin 37 to Pin 38	37
Pin 38 to Pin 39	38	1.27	Pin 38 to Pin 39	38
Pin 39 to Pin 40	39	1.27	Pin 39 to Pin 40	39
Pin 40 to Pin 41	40	1.27	Pin 40 to Pin 41	40
Pin 41 to Pin 42	41	1.27	Pin 41 to Pin 42	41
Pin 42 to Pin 43	42	1.27	Pin 42 to Pin 43	42
Pin 43 to Pin 44	43	1.27	Pin 43 to Pin 44	43
Pin 44 to Pin 45	44	1.27	Pin 44 to Pin 45	44
Pin 45 to Pin 46	45	1.27	Pin 45 to Pin 46	45
Pin 46 to Pin 47	46	1.27	Pin 46 to Pin 47	46
Pin 47 to Pin 48	47	1.27	Pin 47 to Pin 48	47
Pin 48 to Pin 49	48	1.27	Pin 48 to Pin 49	48
Pin 49 to Pin 50	49	1.27	Pin 49 to Pin 50	49
Pin 50 to Pin 51	50	1.27	Pin 50 to Pin 51	50
Pin 51 to Pin 52	51	1.27	Pin 51 to Pin 52	51
Pin 52 to Pin 53	52	1.27	Pin 52 to Pin 53	52
Pin 53 to Pin 54	53	1.27	Pin 53 to Pin 54	53
Pin 54 to Pin 55	54	1.27	Pin 54 to Pin 55	54
Pin 55 to Pin 56	55	1.27	Pin 55 to Pin 56	55
Pin 56 to Pin 57	56	1.27	Pin 56 to Pin 57	56
Pin 57 to Pin 58	57	1.27	Pin 57 to Pin 58	57
Pin 58 to Pin 59	58	1.27	Pin 58 to Pin 59	58
Pin 59 to Pin 60	59	1.27	Pin 59 to Pin 60	59
Pin 60 to Pin 61	60	1.27	Pin 60 to Pin 61	60
Pin 61 to Pin 62	61	1.27	Pin 61 to Pin 62	61
Pin 62 to Pin 63	62	1.27	Pin 62 to Pin 63	62
Pin 63 to Pin 64	63	1.27	Pin 63 to Pin 64	63
Pin 64 to Pin 65	64	1.27	Pin 64 to Pin 65	64
Pin 65 to Pin 66	65	1.27	Pin 65 to Pin 66	65
Pin 66 to Pin 67	66	1.27	Pin 66 to Pin 67	66
Pin 67 to Pin 68	67	1.27	Pin 67 to Pin 68	67
Pin 68 to Pin 69	68	1.27	Pin 68 to Pin 69	68
Pin 69 to Pin 70	69	1.27	Pin 69 to Pin 70	69
Pin 70 to Pin 71	70	1.27	Pin 70 to Pin 71	70
Pin 71 to Pin 72	71	1.27	Pin 71 to Pin 72	71
Pin 72 to Pin 73	72	1.27	Pin 72 to Pin 73	72
Pin 73 to Pin 74	73	1.27	Pin 73 to Pin 74	73
Pin 74 to Pin 75	74	1.27	Pin 74 to Pin 75	74
Pin 75 to Pin 76	75	1.27	Pin 75 to Pin 76	75
Pin 76 to Pin 77	76	1.27	Pin 76 to Pin 77	76
Pin 77 to Pin 78	77	1.27	Pin 77 to Pin 78	77
Pin 78 to Pin 79	78	1.27	Pin 78 to Pin 79	78
Pin 79 to Pin 80	79	1.27	Pin 79 to Pin 80	79
Pin 80 to Pin 81	80	1.27	Pin 80 to Pin 81	80
Pin 81 to Pin 82	81	1.27	Pin 81 to Pin 82	81
Pin 82 to Pin 83	82	1.27	Pin 82 to Pin 83	82
Pin 83 to Pin 84	83	1.27	Pin 83 to Pin 84	83
Pin 84 to Pin 85	84	1.27	Pin 84 to Pin 85	84
Pin 85 to Pin 86	85	1.27	Pin 85 to Pin 86	85
Pin 86 to Pin 87	86	1.27	Pin 86 to Pin 87	86
Pin 87 to Pin 88	87	1.27	Pin 87 to Pin 88	87
Pin 88 to Pin 89	88	1.27	Pin 88 to Pin 89	88
Pin 89 to Pin 90	89	1.27	Pin 89 to Pin 90	89
Pin 90 to Pin 91	90	1.27	Pin 90 to Pin 91	90
Pin 91 to Pin 92	91	1.27	Pin 91 to Pin 92	91
Pin 92 to Pin 93	92	1.27	Pin 92 to Pin 93	92
Pin 93 to Pin 94	93	1.27	Pin 93 to Pin 94	93
Pin 94 to Pin 95	94	1.27	Pin 94 to Pin 95	94
Pin 95 to Pin 96	95	1.27	Pin 95 to Pin 96	95
Pin 96 to Pin 97	96	1.27	Pin 96 to Pin 97	96
Pin 97 to Pin 98	97	1.27	Pin 97 to Pin 98	97
Pin 98 to Pin 99	98	1.27	Pin 98 to Pin 99	98
Pin 99 to Pin 100	99	1.27	Pin 99 to Pin 100	99

() / 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 ³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box	Units/Outer Box			
SOT-23	2,000	10	30,000	6	180,000	7" x8	180×120×180	390×385×205