





| @ f<br>Parameter               | ... Z<br>Symbol  | f ><br>Rating | % y<br>Unit |
|--------------------------------|------------------|---------------|-------------|
| Collector to Base Voltage      | V <sub>CBO</sub> | -80           | V           |
| Collector to Emitter Voltage   | V <sub>CEO</sub> | -80           | V           |
| Emitter to Base Voltage        | V <sub>EBO</sub> | -5            | V           |
| Collector Current - Continuous | I <sub>C</sub>   | -500          | mA          |
| Collector Power Dissipation    | P <sub>C</sub>   | 200           | mW          |
| Junction Temperature           | T <sub>j</sub>   | 150           | -           |
| Storage Temperature Range      | T <sub>stg</sub> | -55 ½150      | -           |

| @ f<br>Parameter                       | ... Z<br>Symbol  | y i Ú ^<br>Test Conditions               | Â 4 ><br>Min | Á ° ><br>Typ | Â Ý ><br>Max | % y<br>Unit |
|----------------------------------------|------------------|------------------------------------------|--------------|--------------|--------------|-------------|
| Collector to Base Breakdown Voltage    | V <sub>CBO</sub> | I <sub>C</sub> =-50 A                    | -80          |              |              | V           |
| Collector to Emitter Breakdown Voltage | V <sub>CEO</sub> | I <sub>C</sub> =-2mA                     | -80          |              |              | V           |
| Emitter to Base Breakdown Voltage      | V <sub>EBO</sub> | I <sub>E</sub> =-50 A                    | -5           |              |              | V           |
| Collector Base Cut-Off Current         | I <sub>CBO</sub> | V <sub>CB</sub> =-50 V I <sub>E</sub> =0 |              |              | -0.5         | A           |
| Collector Emitter Cut-Off Current      | I <sub>CEO</sub> | V <sub>CE</sub> =-65 V I <sub>B</sub> =0 |              |              | -5           | A           |
| Emitter Base Cut-Off Current           | I <sub>EBO</sub> | V <sub>EB</sub> =-4.0V I <sub>C</sub> =0 |              |              | -0.5         | A           |

Eh]TJ 7.0172 0 0 7.02 24157 351.8803 Tm -.00238Tc 0 Tw (EF)Tj 10.4958 0 0 10.5 295464 .20.3604 Tm - Tc ( )Tj 1



# BR2SB1198MC

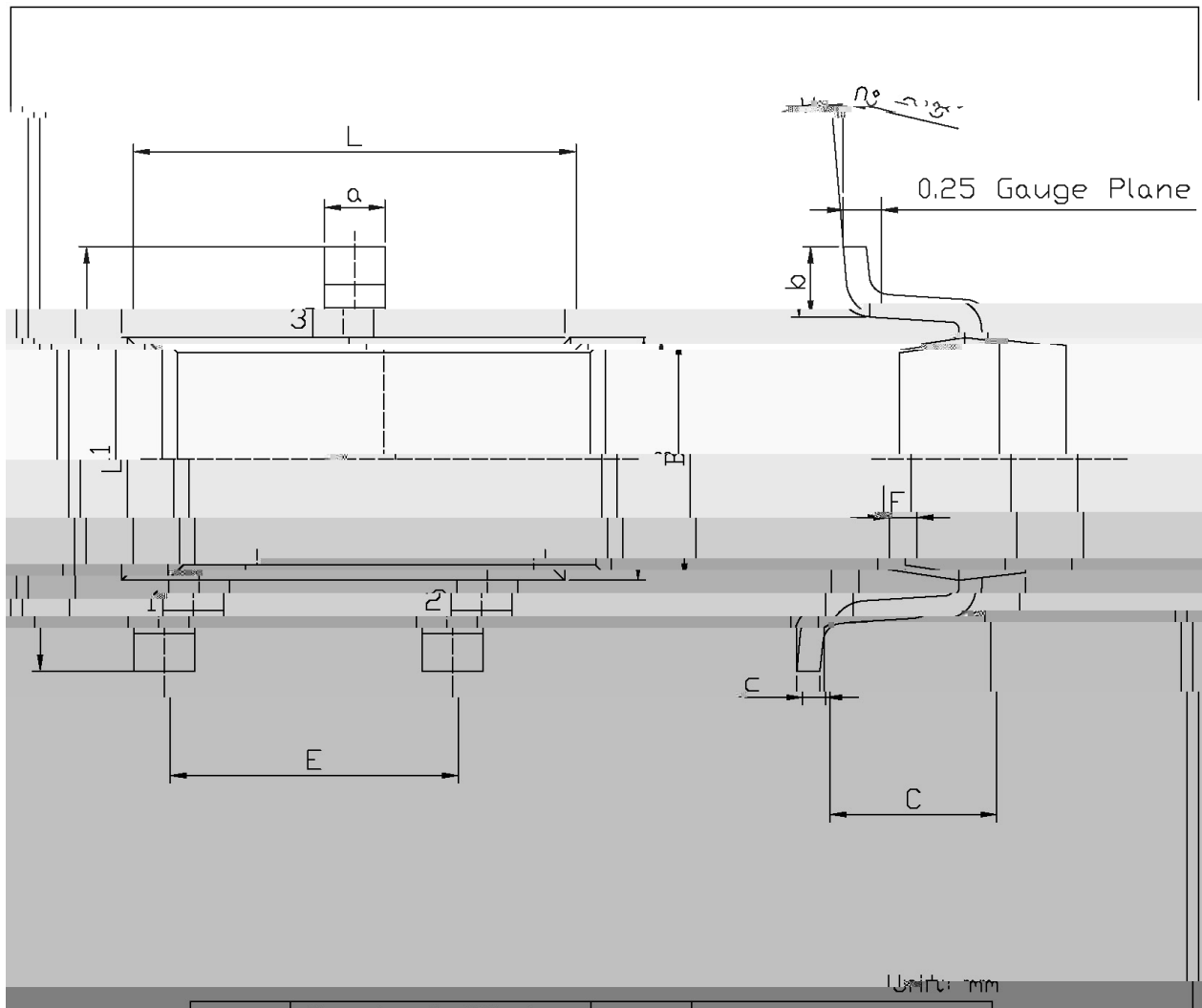
Rev.A Mar.-2023



蓝箭电子  
BLUE ROCKET ELECTRONICS

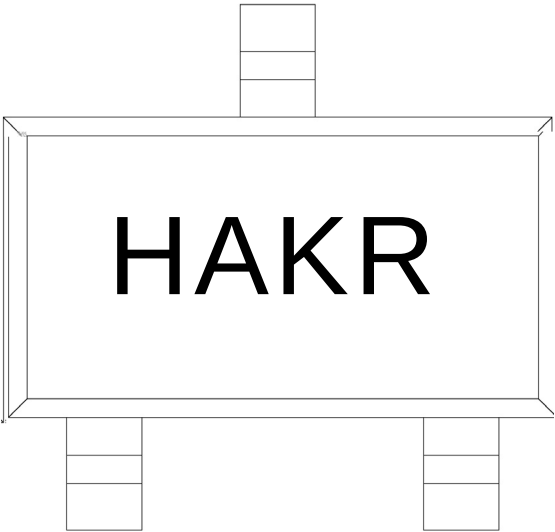
DATA SHEET

## Ø □ = ) □ / Package Dimensions



Unit: mm

, M y f / Marking Instructions



<sup>a</sup> ¢ y  
. y            , [ W A  
' 1 y        ° Z W A  
8 y        h<sub>FE</sub> ã W A

Note:  
H:            Company Code  
AK:         Product Type Code  
R:           h<sub>FE</sub> Classifications Symbol Code



šWD t... • Žč (x/ ) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

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ačy

10• Ä½ “† 150 ½180 - kž • 60 ½90sec;

20• Q> “† 245 r5 - kž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 ,† 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

#### ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“†y 260 r5 -

ž •y 10 r1 sec.

Temp.:260 r5 -

Time:10 r1 sec

#### G P á / Packaging SPEC.

2 & x / REEL

| Package Type<br>7>û ~ E | Units ;>û H      |                          |                       |                                |                        | Dimension ;>û p . (unit /mm³) |             |             |
|-------------------------|------------------|--------------------------|-----------------------|--------------------------------|------------------------|-------------------------------|-------------|-------------|
|                         | Units/Reel<br>/- | Reels/Inner Box<br>-- /- | Units/Inner Box<br>/- | Inner Boxes/Outer Box<br>- /1ç | Units/Outer Box<br>/1ç | Reel                          | Inner Box   | Outer Boxç  |
| SOT-23-3                | 3,000            | 10                       | 30,000                | 4                              | 120,000                | 7 s ×8                        | 210×205×205 | 445×230×435 |

#### „Đ y f / Notices