



## 产品规格书

GOODARK型号：BAV70

构造：开关二极管

Construction : Switch rectifiers

用途 : 一般开关用

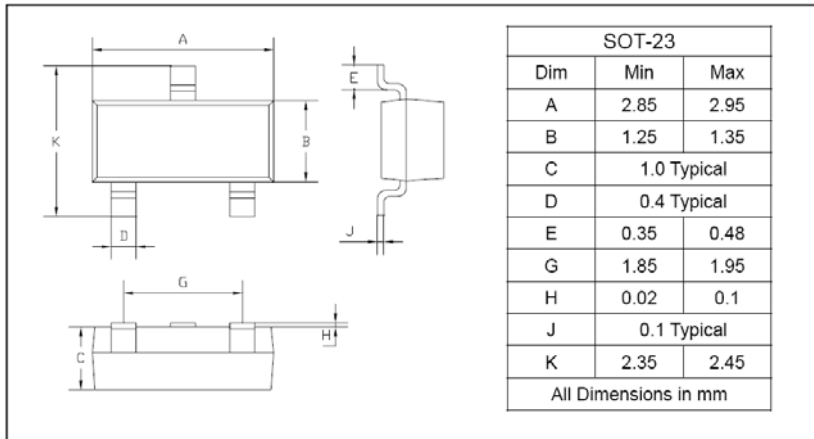
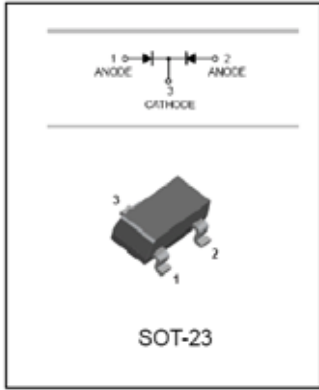
Application : For General Purpose Switching Application

内容

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1. 外形图和外形尺寸 Case Dimension (SOT-23 Type)



2. 印字规范 Marking Spec

印字 A4 ; Marking :A4

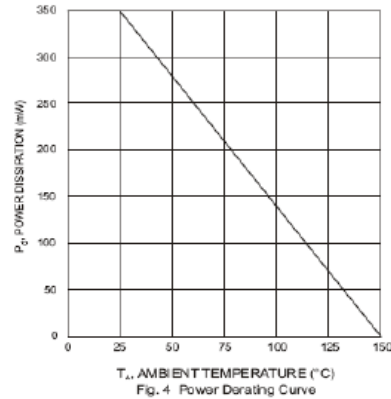
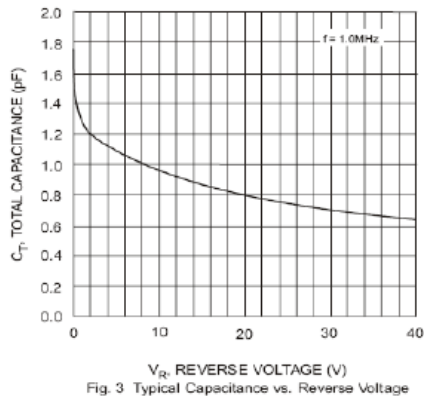
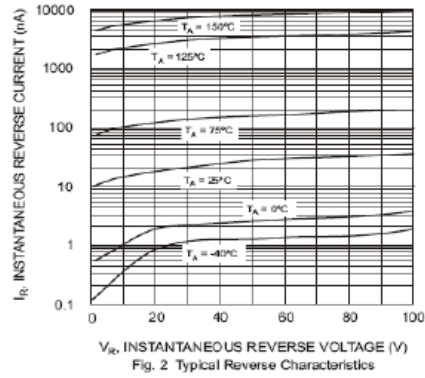
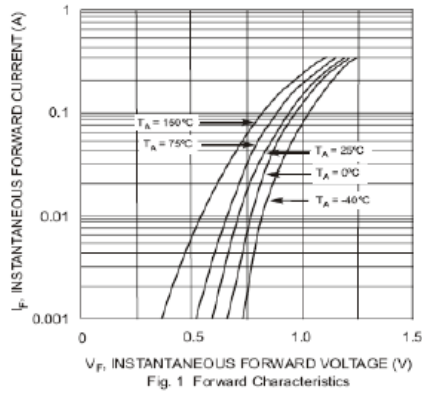
3. 最大定格 Absolute Maximum Rating

| Parameter                                   | Symbol          | Limits      | Unit          |
|---|-----------------|-------------|---------------|
| Non-Repetitive Peak reverse voltage         | $V_{RM}$        | 100         | V             |
| Peak repetitive reverse voltage             | $V_{RRM}$       | 75          | V             |
| Working peak reverse voltage                | $V_{RWM}$       |             |               |
| DC Reverse Voltage                          | $V_R$           |             |               |
| RMS Reverse Voltage                         | $V_{R(RMS)}$    | 53          | V             |
| Forward continuous Current(Max.)            | $I_{FM}$        | 300         | mA            |
| Average rectified output current            | $I_O$           | 150         | mA            |
| Repetitive Peak Forward current             | $I_{FRM}$       | 450         | mA            |
| Non-repetitive forward Surge Current        | $I_{FSM}$       | 2.0         | A             |
| @t=1.0s                                     |                 | 1.0         |               |
| Power Dissipation                           | $P_d$           | 350         | mW            |
| Thermal resistance, junction to ambient air | $R_{\theta JA}$ | 357         | $^{\circ}C/W$ |
| Junction temperature                        | $T_j$           | 150         | $^{\circ}C$   |
| Storage temperature range                   | $T_{stg}$       | -65 to +150 | $^{\circ}C$   |

#### 4. 电气特性 Electrical Characteristics

| Parameter                       | Symbol      | Test conditions  | MIN | MAX  | UNIT    |
|---------------------------------|-------------|--|-----|------|---------|
| Reverse breakdown voltage       | $V_{(BR)R}$ | $I_R = 2.5\mu A$   | 75  |      | V       |
| Reverse voltage leakage current | $I_R$       | $V_R = 75V$  |     | 2.5  | $\mu A$ |
|                                 |             | $V_R = 20V$  |     | 25   | nA      |
|                                 |             | $V_R = 75V, T_J = 150^\circ C$                           |     | 50   | $\mu A$ |
|                                 |             | $V_R = 25V, T_J = 150^\circ C$                           |     | 30   | $\mu A$ |
| Forward voltage                 | $V_F$       | $I_F = 1mA$  |     | 715  | mV      |
|                                 |             | $I_F = 10mA$   |     | 855  |         |
|                                 |             | $I_F = 50mA$   |     | 1000 |         |
|                                 |             | $I_F = 150mA$  |     | 1250 |         |
| Total capacitance               | $C_T$       | $V_R = 0V, f = 1MHz$                                     |     | 2.0  | pF      |
| Reverse recovery time           | $t_{rr}$    | $I_F = I_R = 10mA, I_R = 1mA, V_R = 5V, R_L = 100\Omega$ |     | 4    | ns      |

#### 5. 特性曲线 Ratings and Characteristics Curves



#### 6. 包装规范 Packing Spec

3000 PCS /Tape

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