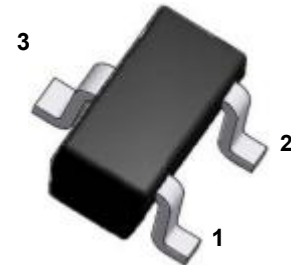


Plastic Package Fast Switching Diode

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

| Symbol | Parameter | Value | Units |
|------------------|--------------------------------|-------------|-------|
| P _D | Power Dissipation | 225 | mW |
| T _{STG} | Storage Temperature Range | -55 to +150 | °C |
| T _J | Operating Junction Temperature | +150 | °C |
| V _R | Reverse Voltage | 70 | V |
| I _{FO} | Forward Current | 200 | mA |

These ratings are limiting values above which the serviceability of the diode may be impaired.

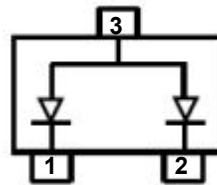


SOT-23

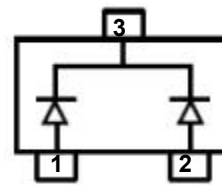
Specification Features:

- ③ Fast Switching Device
- ③ General Purpose Diodes
- ③ RoHS Compliant
- ③ Matte Tin(Sn) Lead Finish

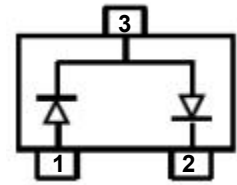
Electrical Symbol & Marking Codes:



BAW56
Marking: A1



BAV70
Marking: A4

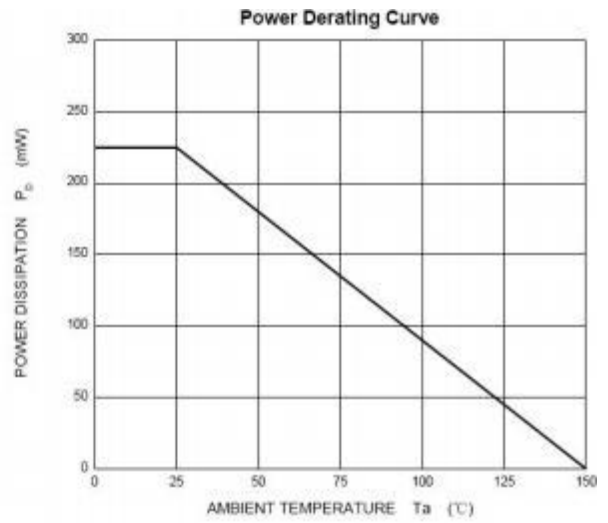
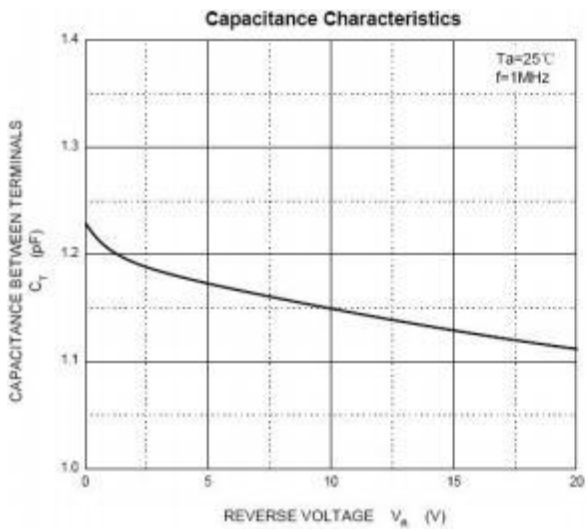
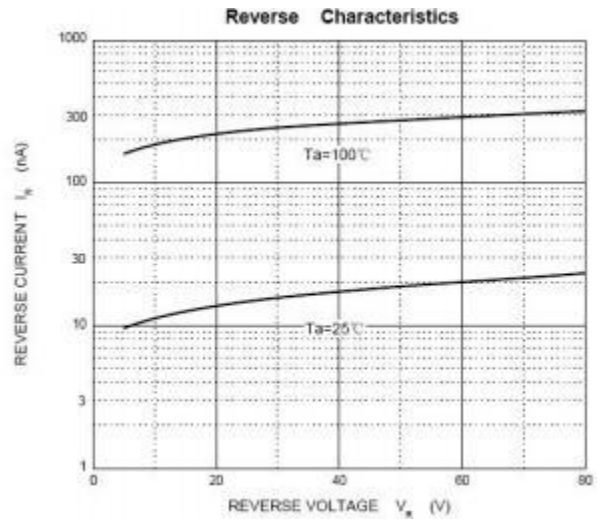
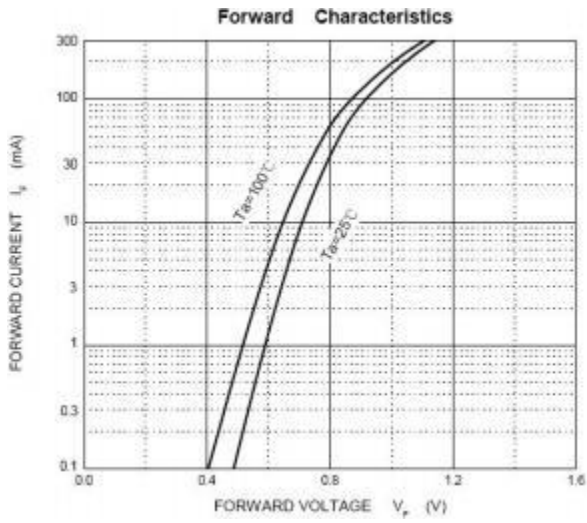


BAV99
Marking: A7

Electrical Characteristics T_A = 25°C unless otherwise noted

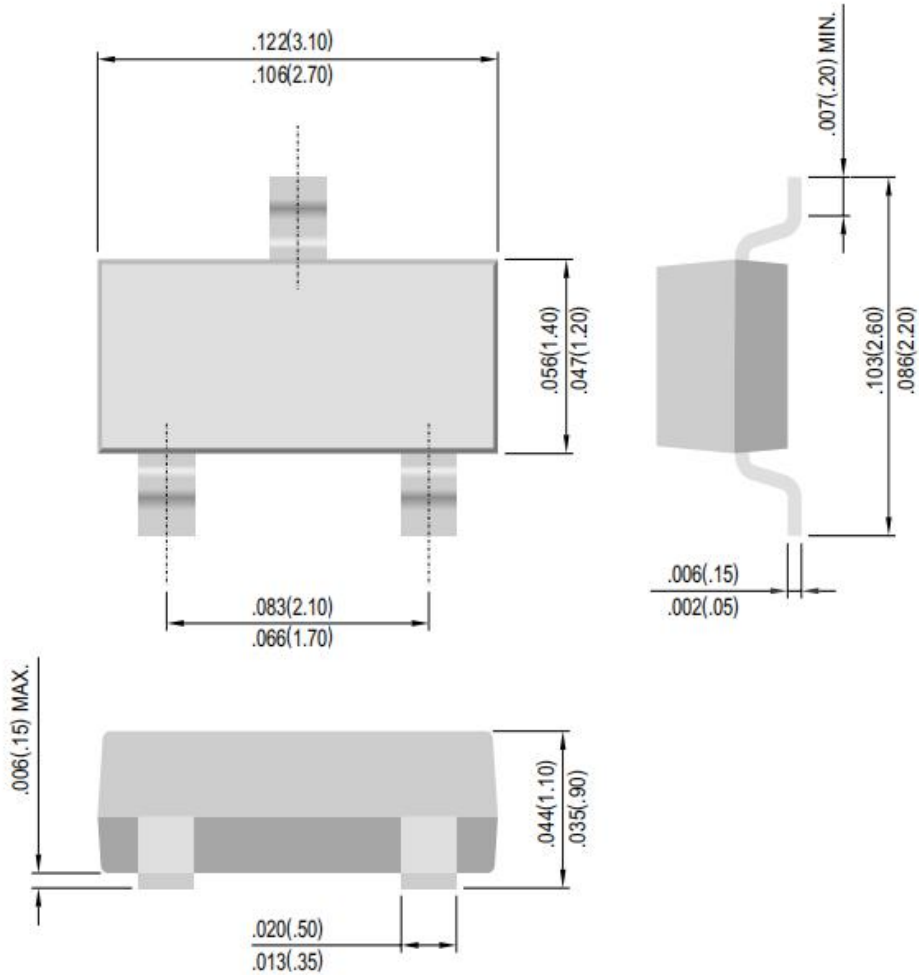
| Symbol | Parameter | Test Condition | Limits | | | Unit |
|------------------|---------------------------|---|--------|---------|--------------------------------|-------|
| | | | Min | Typical | Max | |
| V _{BRJ} | Reverse Breakdown Voltage | I _R =100μA | 70 | | | Volts |
| I _R | Reverse Leakage Current | V _R =70V | | | 2.5 | μA |
| V _F | Forward Voltage | I _F =1mA I _F =10mA I _F =50mA I _F =150mA | | | 0.715 0.855 1.00 1.25 | Volts |
| C _D | Diode Capacitance | V _R =0V, f=1MHz | | 1.5 | 4 | pF |
| T _{rr} | Reverse Recovery Time | I _F = I _R = 10mA I _{RR} =0.1x I _R , R _L =100Ω | | | 6 | ns |

Typical Characteristics



OUTLINE DRAWING

SOT-23



Website: <http://www.jksemi.com>

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