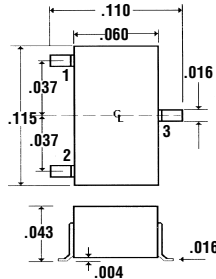
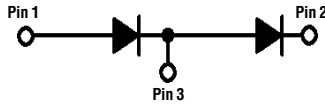
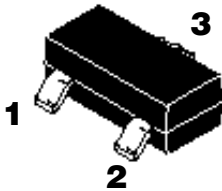


**Description**

**Mechanical Dimensions**



**BAV99**

**Features**

- **ULTRA-HIGH SPEED**
- **INDUSTRY STANDARD SOT-23 PACKAGE**
- **LOW FORWARD VOLTAGE**
- **MEETS UL SPECIFICATION 94V-0**

	<b>BAV99</b>	<b>Units</b>
<b>Maximum Ratings</b>		
Peak Reverse Voltage... $V_{RRM}$	85	V
Reverse Voltage... $V_{R(rms)}$	70	V
Forward Current... $I_F$	150	mA
Repetitive Forward Current... $I_{FRM}$	500	mA
Repetitive Forward Surge Current... $I_{FSM}$	1000	mA
Total Power Dissipation... $P_D$	200	mW
Junction Temperature... $T_J$	150	°C
Storage Temperature Range... $T_{STG}$	-65 to 150	°C
<b>Electrical Characteristics</b>		
Maximum Forward Voltage... $V_F$		V
@ $I_F = 1.0$ mA	715	V
@ $I_F = 10$ mA	855	V
@ $I_F = 50$ mA	1000	V
@ $I_F = 150$ mA	1250	V
Maximum Reverse Current... $I_R$ @ $V_R = 70V$	2.5	µA
Maximum Diode Capacitance... $C_D$	1.5	pF
Maximum Reverse Recovery Time... $t_{RR}$	6.0	ns
$I_F = I_R = 10mA, R_L = 100\Omega$ Measured @ $I_R = 1mA$		