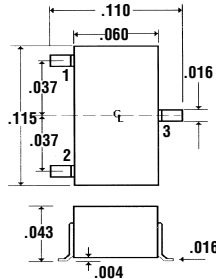
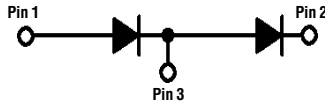
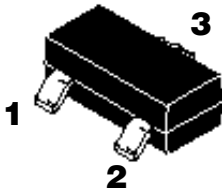


Description

Mechanical Dimensions



BAV99

Features

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

	BAV99	Units
Maximum Ratings		
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
Electrical Characteristics		
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} $I_F = I_R = 10mA, R_L = 100\Omega$ Measured @ $I_R = 1mA$	6.0	ns