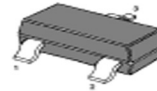


BAV70
SMALL SIGNAL DIODE



SOT-23



SOT-23 Plastic Package

Absolute Maximum Ratings* (T_a = 25°C)

	Symbol	Limits	Unit
Peak repetitive reverse voltage	V _{RRM}	70	V
Average rectified Forward current	I _{F(AV)}	200	mA
Non-repetitive peak forward surge current at Pulse width = 1.0 second at Pulse width = 1.0 microsecond	I _{FSM}	1.0 2.0	A
Power dissipation	P _D	350	mW
Thermal resistance junction to ambient air	R _{θJA}	357	°C/W
Operating junction temperature range	T _J	150	°C
Storage temperature range	T _S	-55 to +150	°C

* These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Notes: 1. These ratings are based on a maximum junction temperature of 150°C

2. These are steady limits. The factory should be consulted on applications involving pulse or low duty cycle operation.