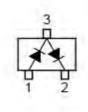


BAV99 SWITCHING DIODES

FEATURES

Fast Switching Speed For General Purpose Switching Applications High Conductance





Marking Code: A7 SOT-23 Plastic Package

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	85	V
Continuous Reverse Voltage	V _R	75	V
Continuous Forward Current (Double Diode Loaded)	I _F	125	mA
Continuous Forward Current (Single Diode Loaded)	I _F	215	mA
Repetitive Peak Forward Current	I _{FRM}	450	mA
Non-repetitive Peak Forward Surge Current at t = 1 m at t = 1 m at t = 1 µ	s I _{FSM}	0.5 1 4.5	А
Power Dissipation	P _{tot}	350	mW
Junction Temperature	Tj	150	°C
Storage Temperature Range	T _{stg}	- 65 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 1 \text{ mA}$ at $I_F = 10 \text{ mA}$ at $I_F = 50 \text{ mA}$ at $I_F = 150 \text{ mA}$	V _F	0.715 0.855 1 1.25	V
Reverse Current at $V_R = 25 V$ at $V_R = 75 V$ at $V_R = 25 V$, $T_j = 150 °C$ at $V_R = 75 V$, $T_j = 150 °C$	I _R	30 1 30 50	nA μA μA μA
Diode Capacitance at $V_R = 0$, f = 1 MHz	C _d	1.5	pF
Reverse Recovery Time at $I_F = I_R = 10$ mA, $I_R = 1$ mA, $R_L = 100$ Ω	t _{rr}	4	ns

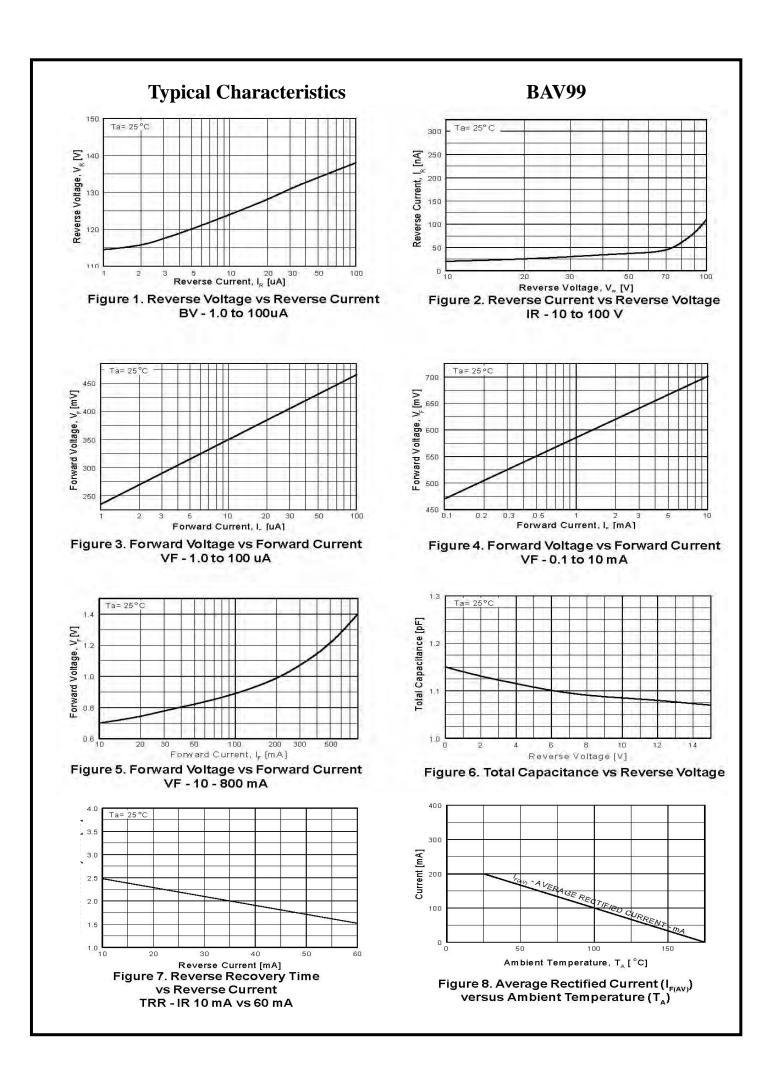
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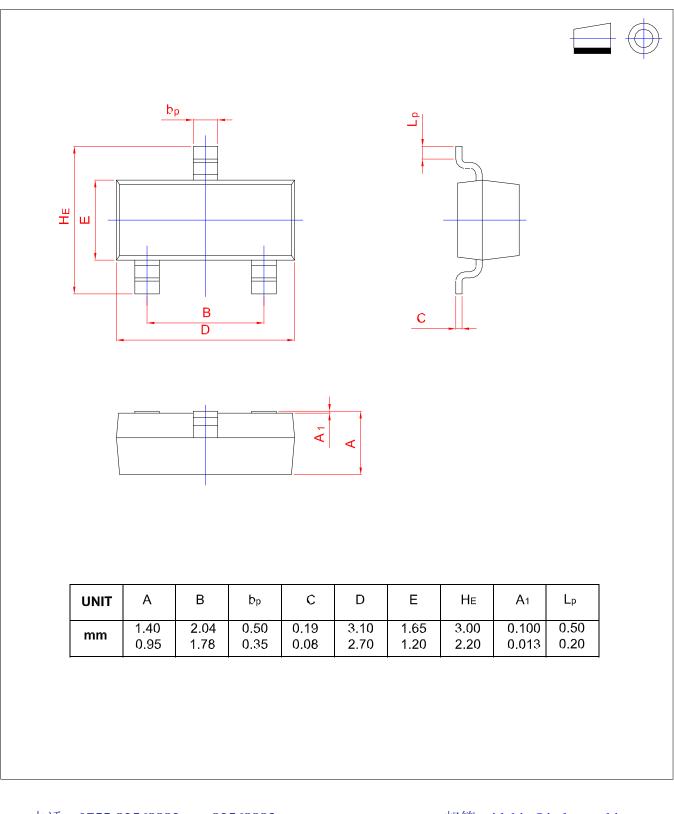




深圳市英锐芯电子科技有限公司 快速开关二极管 BAV99

Plastic surface mounted package; 3 leads

SOT-23



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