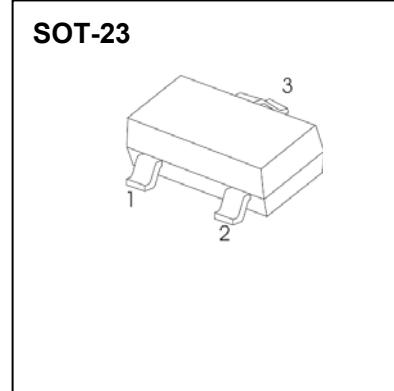


SOT-23 Plastic-Encapsulate Diodes

BAW56/BAV70/BAV99 SWITCHING DIODE

FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance



BAW56	BAV70	BAV99
MARKING:A1	MARKING:A4	MARKING:A7

Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Reverse Voltage	V _R	70	V
Forward Current	I _F	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2.0	A
Power Dissipation	P _D	225	mW
Thermal Resistance Junction to Ambient	R _{θJA}	556	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature range	T _{STG}	-55~+150	°C

Electrical Characteristics @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V _R	70			V	I _R =100µA
Forward voltage	V _{F1}			0.715	V	I _F =1mA
	V _{F2}			0.855	V	I _F =10mA
	V _{F3}			1	V	I _F =50mA
	V _{F4}			1.25	V	I _F =150mA
Reverse current	I _R			2.5	µA	V _R =70V
Capacitance between terminals	C _T			1.5	pF	V _R =0,f=1MHz
Reverse recovery time	t _{rr}			6	ns	I _F = I _R = 10mA, I _{rr} = 0.1 x I _R , R _L = 100Ω

Typical Characteristics

