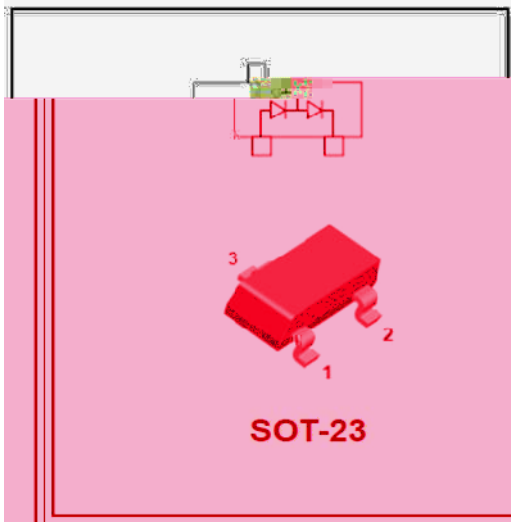


Small-Signal Fast Switching Diodes



Features

- ✓ V_R 10.0 V
- ✓ I_{FAV} single diode loaded 215mA
double diode loaded 125mA

Typical Applications

- ✓ Low-Leakage

Mechanical Data

- ✓ Package: SOT23
- ✓ Terminals: Tin plated leads, solderable per J-STD-002 and JEDEC-22-B102
- ✓ Marking: JY

■Maximum Ratings ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		10.0
Reverse voltage	V_R	V	$I_R=10.0\mu\text{A}$	10.0
Peak forward surge current	I_{FSM}	A	Non-Repetitive $t=10\text{ms}$	4
Average forward current	I_{FAV}	mA	single diode loaded	215
			double diode loaded	125
Power dissipation	P_{tot}	mW		250
Maximum junction temperature	T_j			
6WRUDJH WHP SHUDWXUH	UDQJH		7	WR

■Electrical Characteristics

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V_R	V	$I_R=10.0\mu\text{A}$	10.0	
Forward Voltage	V_F	V	$I_F=1\text{mA}$		0.9
			$I_F=10\text{mA}$		1.0
			$I_F=50\text{mA}$		1.1
			$I_F=150\text{mA}$		1.25
Reverse Leakage Current	I_R	nA	$V_R=75\text{V}$		5
Capacitance	C	pF	$V_R=0\text{V}$, $f=1\text{MHz}$		4
Reverse Recovery Time	T_{rr}	us	$I_F=I_R=10\text{mA}$, $U_U=5\text{V}$		



BAV199

Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAV199	F2	Approximate 0 . 0 0 8	3 0 0 0	3 0	0 0 0	12 0 0 0 0

7 6

v627 3DFNDJH 2XWOLQH 'LPHQVLRQV

v627 6XJJHVWHG 3DG /D\RXW



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