

Small-Signal Fast Switching Diodes



Features

VR 1 \$ \$ V
IFAV 2 \$ \$ mA

Typical Applications

Low-Leakage

Mechanical Data

Package: SOT23
Terminals: Tin plated leads ž solderable per
> -STD- \$ \$ 2 and > ESD22-B1 \$ 2
Marking: > V

Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		75
Reverse voltage	V_R	V	IR=1 \$ \$ uA	1 \$ \$
Peak forward surge current	I_{FSM}	A	Non-Repetitive t = 1 s	(
Average forward current	I_{FAV}	mA		2 \$ \$

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Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V_R	V	IR=1 \$ \$ uA	1 \$ \$	
Forward Voltage	V_F	V	IF=1mA		\$ " -
			IF=1 \$ mA		1 " \$
			IF=5 \$ mA		1 " 1
			IF=15 \$ mA		1 " 25
Reverse Leakage Current	I_R	nA	VR=75V		5
Capacitance	C	pF	VR= \$ V ž f=1MHz		(
Reverse Recovery Time	T_{rr}	us	IF=IR=1 \$ mA Irr= \$ " 1 † IR ž RL=1 \$ \$		3

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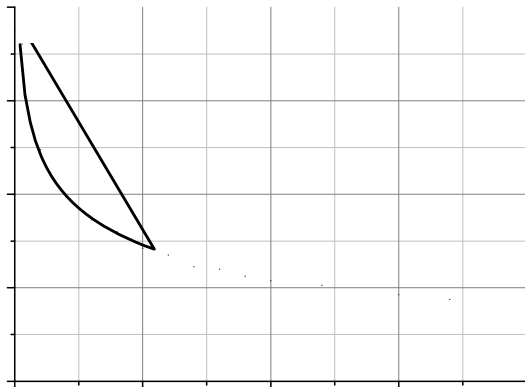
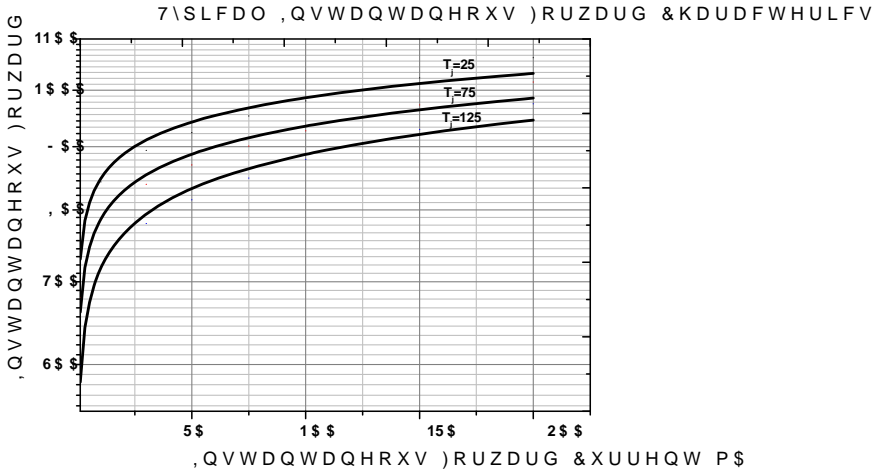


BAS116

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
P9 BAS116	F2	Approximate \$ " \$ \$,	3 \$ \$ \$	3 \$ \$ \$	12 \$ \$ \$ \$	

Characteristics (Typical)



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