

Switching Diode



Features

- Epoxy meets UL-94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Current Leakage
- Marking:JS

Maximum Rating, (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Value
Reverse Voltage	V_R	V	250
Forward Continuous Current, Per Leg	I_F	mA	200
Non-Repetitive Peak Forward Surge Current @ t=1s,	I_{FSM}	A	0.5
Power Dissipation	P_D	mW	250
Operation Junction Temperature	T_J	°C	-55 to +150
Storage Temperature	T_{STG}	°C	-55 to +150

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS21	F2	Approximate 0.008	3000	30000	120000	7" reel

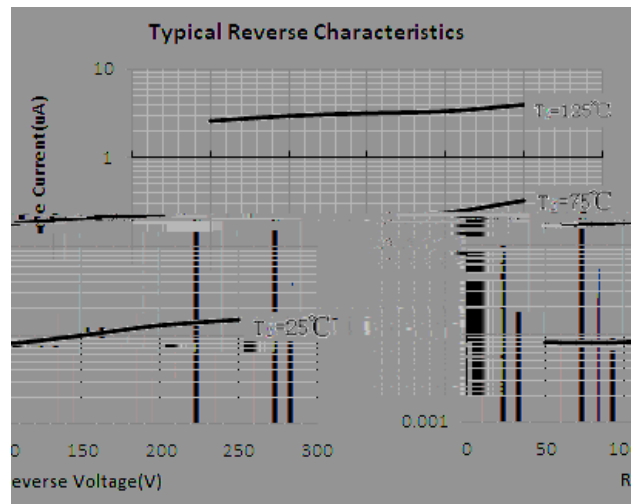
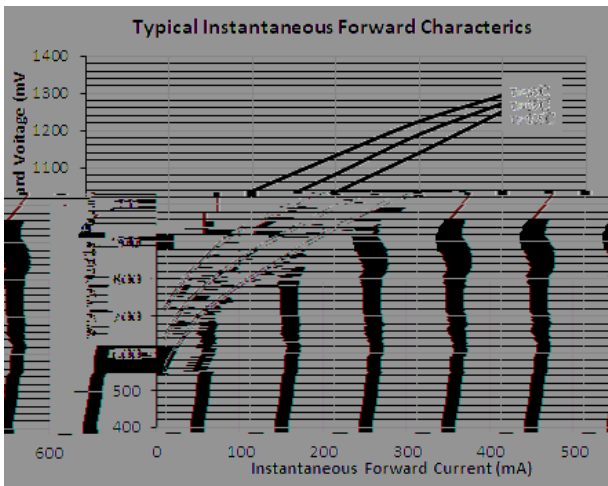


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Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified, Per Leg)

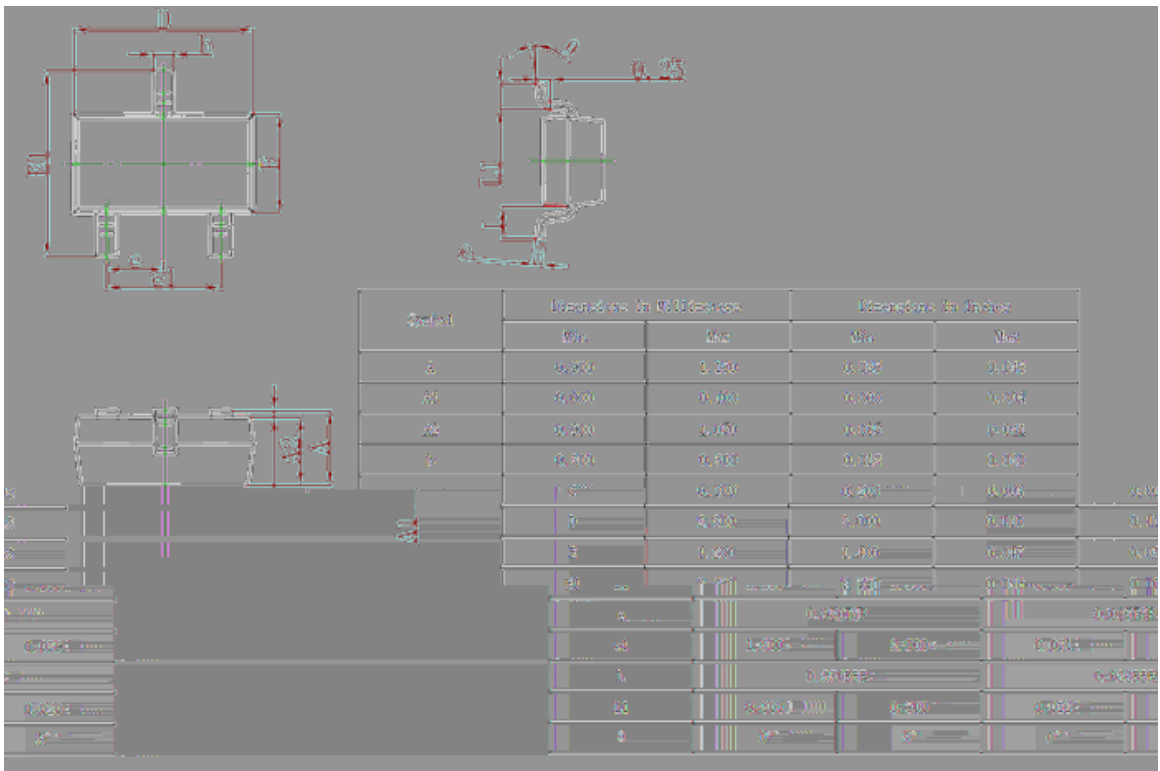
Item	Symbol	Unit	Conditions	Value
Reverse Voltage	V_R	V	$I_R=100\mu\text{A}$	250
Maximum Instantaneous Forward Voltage	V_F	V	$I_{FM}=100\text{mA}, T_J=25^{\circ}\text{C}$	1.0
			$I_{FM}=200\text{mA}, T_J=25^{\circ}\text{C}$	1.25
Maximum DC Reverse Current	I_R	nA	$V_R=200\text{V}$	100
Typical Junction Capacitance	C_J	pF	$f=1.0\text{MHz}, V_R=0\text{V}$	5
Reverse Recovery Time	T_{rr}	ns	$I_F=30\text{mA}, I_R=30\text{mA}, R_L=100\Omega, I_{rr}=3\text{mA}$	50

Typical Characteristics (Per Leg)

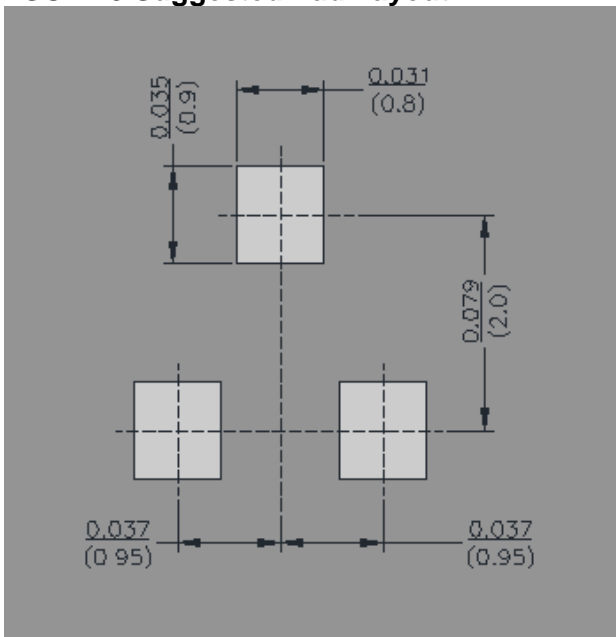




SOT-23 Package Outline Dimensions



SOT-23 Suggested Pad Layout





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