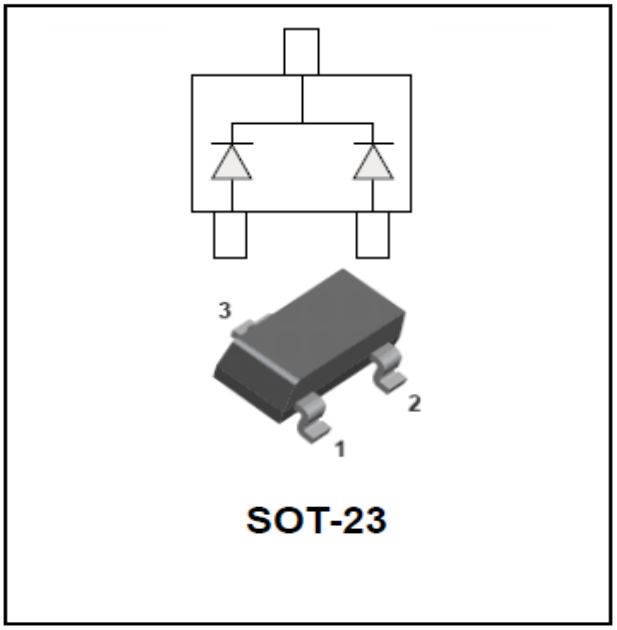
Dual Switching Diode



Features

- ●Epoxy meets UL-94 V-0 flammability rating
- ●Fast switching speed
- ●High Conductance
- ●Surface mount package ideally Suited for Automatic Insertion

Mechanical Data

- **Package**: SOT-23
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** N

■Maximum Rating (Ta=25℃ Unless otherwise specified)

Item	Symbol	Unit	Value
Peak Reverse Voltage	V_{RRM}	V	80
Reverse Voltage	V_R	V	80
Forward Continuous Current	I_F	mA	100
Peak Forward Surge Current	I_{FSM}	mA	1000
Power Dissipation	P_D	mW	200
Maximum junction temperature	T_j	℃	150
Storage Temperature	T_{STG}	℃	-55 to +150

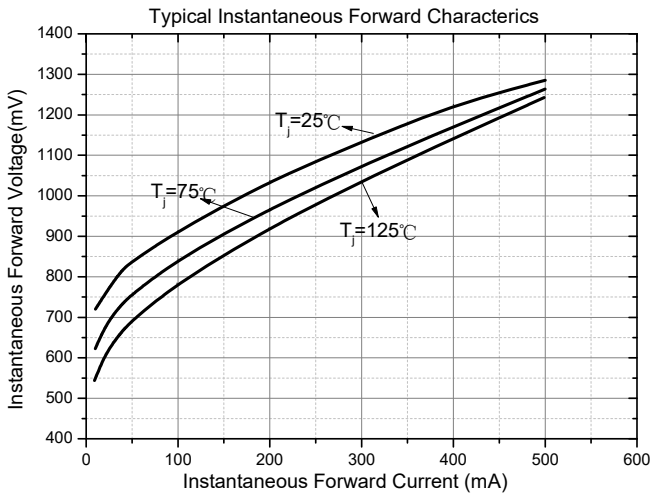
■Ordering Information (Example)

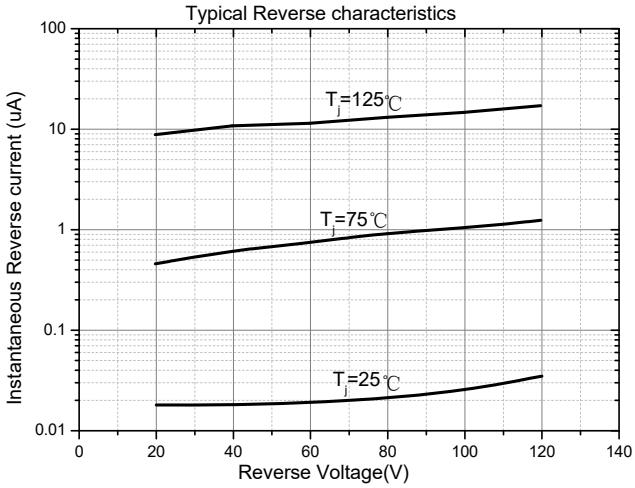
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
DAN202	F2	Approximate 0.008	3000	30000	120000	7” reel

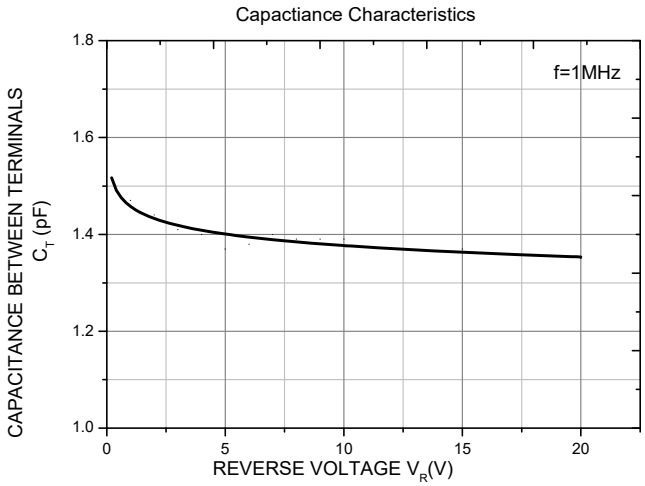
■Electrical Characteristics（T_a=25℃ Unless otherwise specified, Per Leg）

Item	Symbol	Unit	Conditions	Value
Minimum Reverse Voltage	V_R	V	IR=100uA	80
Maximum Instantaneous Forward Voltage	V_F	V	I_F=100mA	1.2
Maximum DC Reverse Current	I_R	uA	V_R=70V	0.1
Typical Junction Capacitance	C_J	pF	f=1.0MHz, V_R=6V	3.5
Maximum Reverse Recovery Time	T_{rr}	ns	I_F= I_R =10mA, R_L=100Ω, I_{rr}=0.1* I_R	4

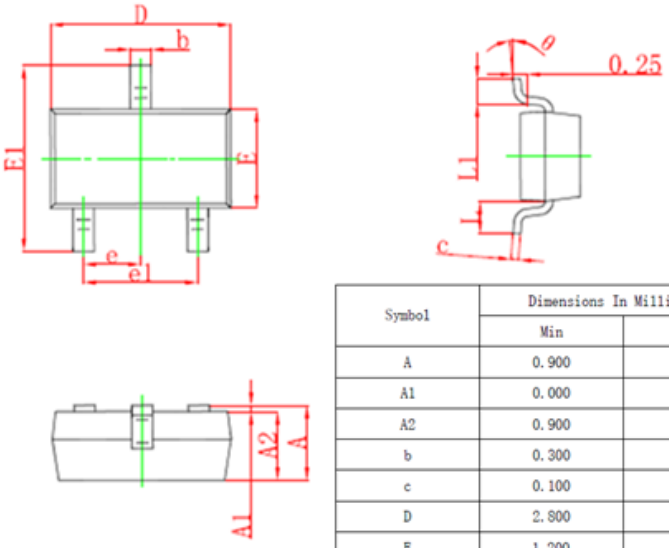
■ Typical Characteristics





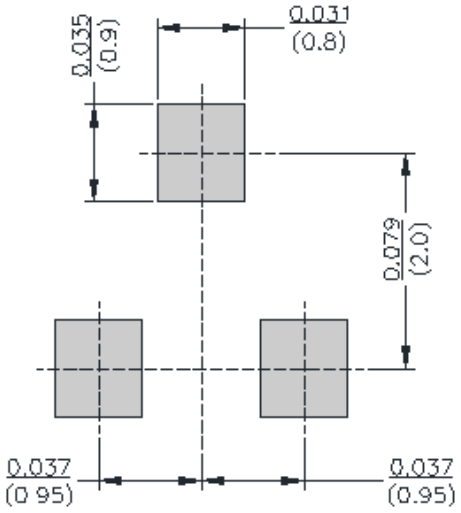


■SOT-23 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.100	0.200	0.004	0.008
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950TYP		0.037TYP	
e1	1.800	2.000	0.071	0.079
L	0.550REF		0.022REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

■SOT-23 Suggested Pad Layout



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