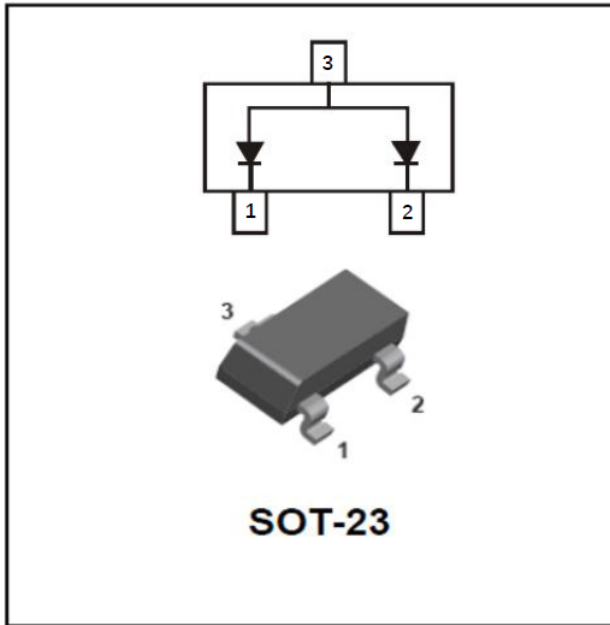


Dual Switching Diode



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-323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** P

■Maximum Ratings (Ta=25°C 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@ T=1us	I_{FSM}	A	4
Power Dissipation	P_D	mW	200
Maximum junction temperature	T_J	°C	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
DAP202U	F2	Approximate 0.005	3000	30000	120000	7" reel

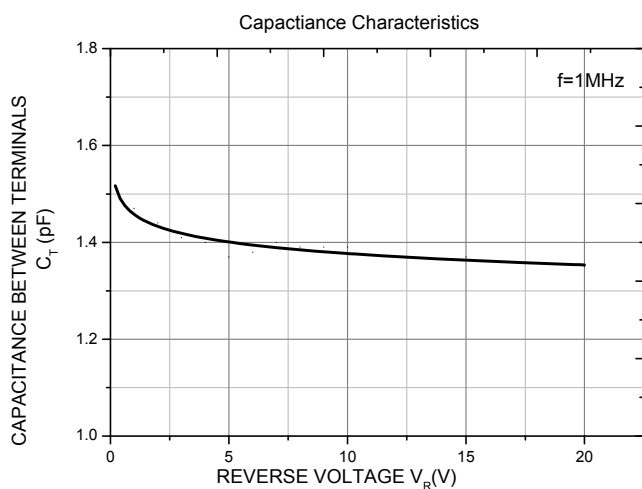
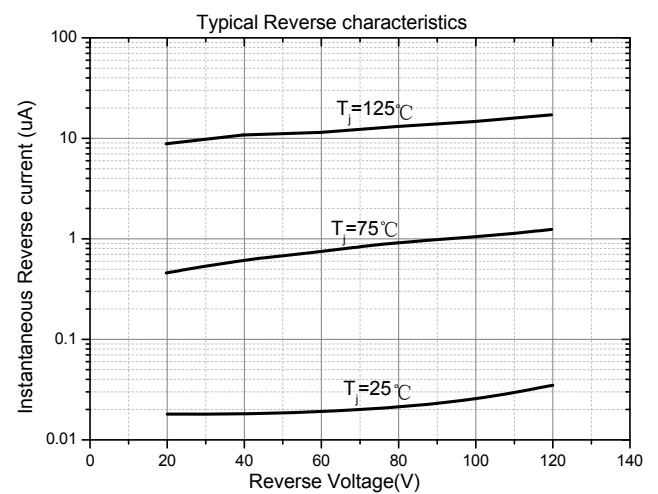
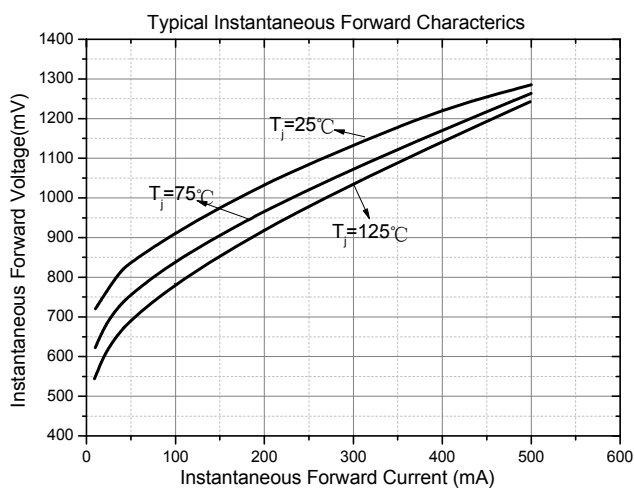


DAP202U

■ Electrical Characteristics (Ta=25°C Unless otherwise specified, Per Leg)

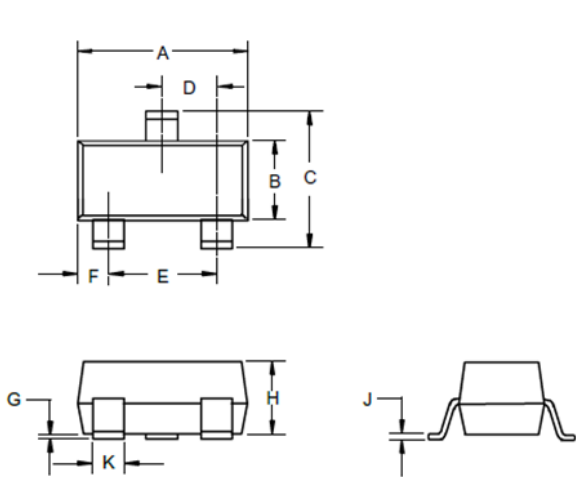
Item	Symbol	Unit	Conditions	Value
Minimum Reverse Voltage	V_R	V	$I_R=100\mu A$	80
Maximum Forward Voltage	V_F	V	$I_F=100mA$	1.2
Maximum DC Reverse Current	I_R	μA	$V_R=70V$	0.2
Capacitance	C	pF	$V_R=6V, f=1MHz$	3.5
Maximum Reverse Recovery Time	T_{rr}	ns	$I_F=I_R=5mA, R_L=50\Omega, V_R=6V$	4

■ Typical Characteristics



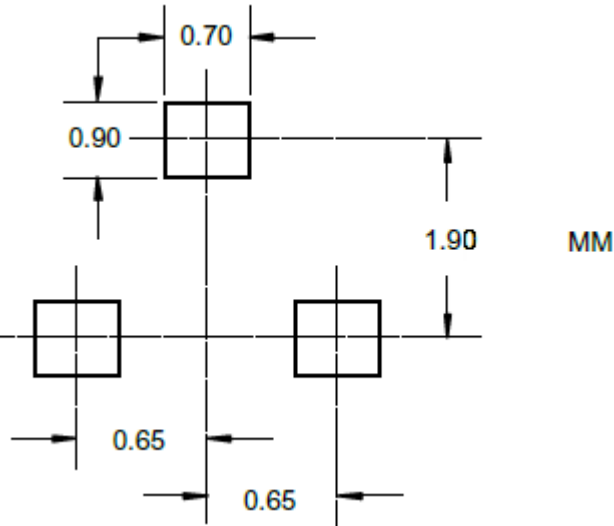


■SOT-323 Package Outline Dimensions



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.071	0.087	1.80	2.20	
B	0.045	0.053	1.15	1.35	
C	0.083	0.096	2.10	2.45	
D	0.026Nominal		0.65Nominal		
E	0.047	0.055	1.20	1.40	
F	0.012	0.016	0.30	0.40	
G	0.000	0.004	0.00	0.10	
H	0.035	0.039	0.90	1.00	
J	0.004	0.010	0.10	0.250	
K	0.006	0.016	0.15	0.40	

■SOT-323 Suggested Pad Layout





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