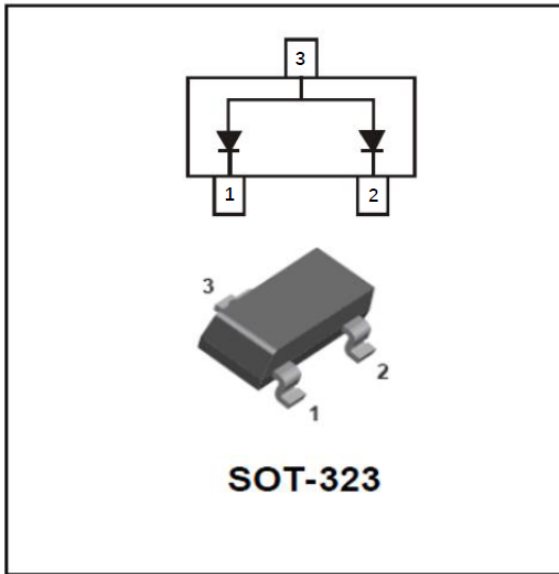


## Dual Switching Diode



### 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
Non-repetitive Peak Forward Surge Current @ $t_p=1\mu s$	$I_{FSM}$	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

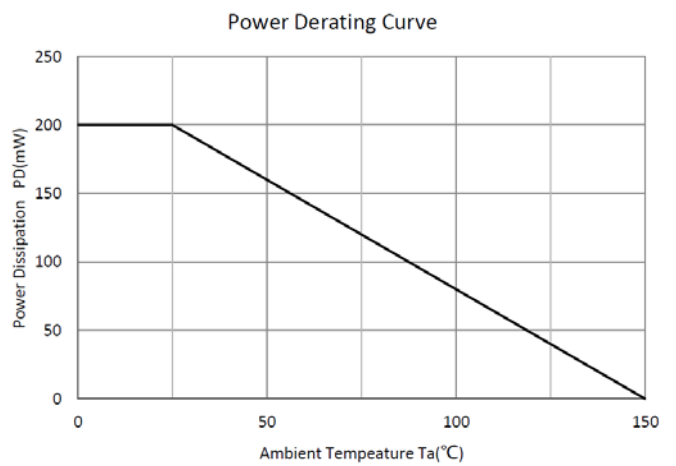
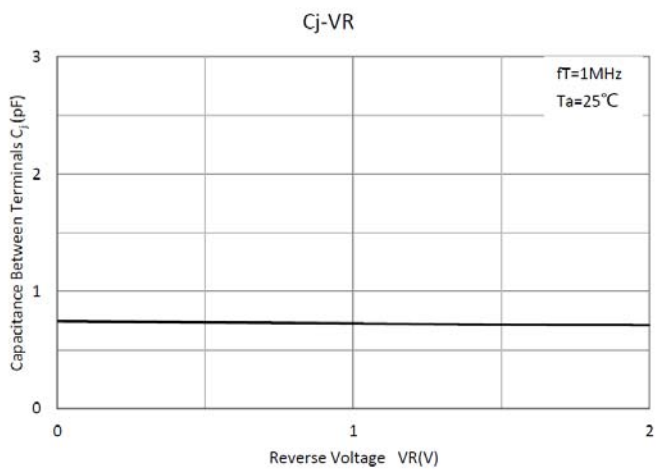
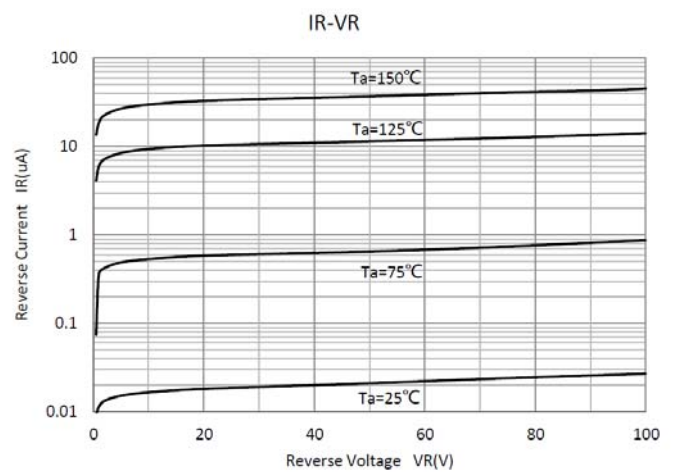
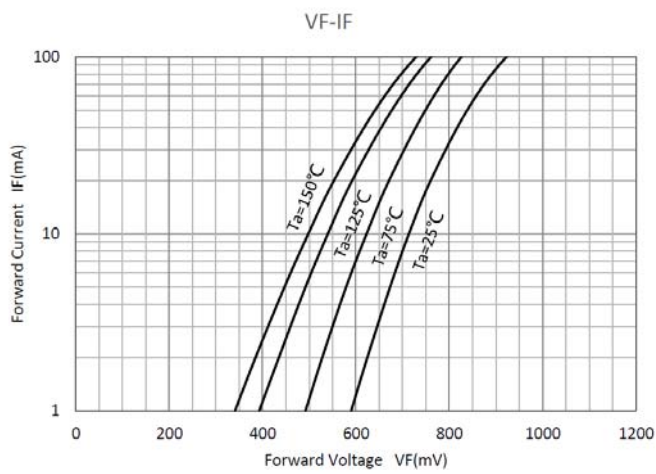


# DAP202U

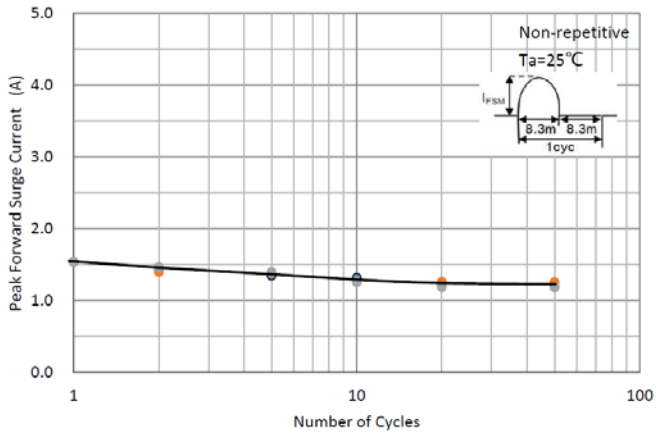
## ■ Electrical Characteristics (Ta=25°C Unless otherwise specified, Per Leg)

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	$I_R$	$\mu A$	$V_R=70V$	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

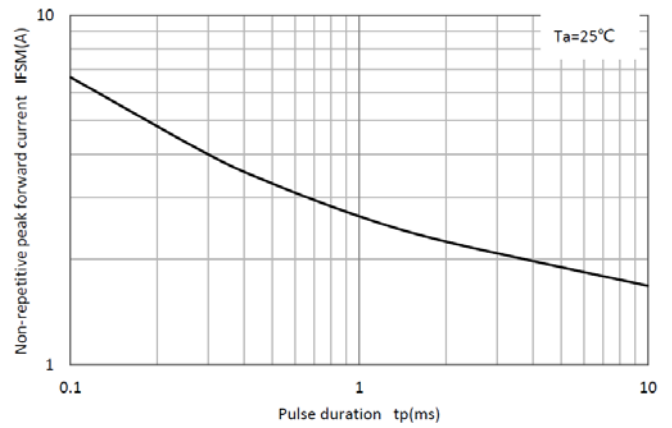
## ■ Typical Characteristics



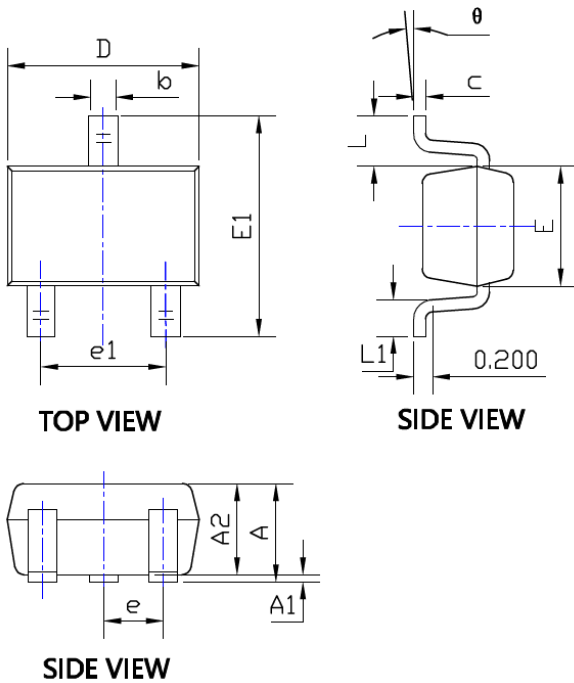
Surge Forward Current Capability



IFSM-tp

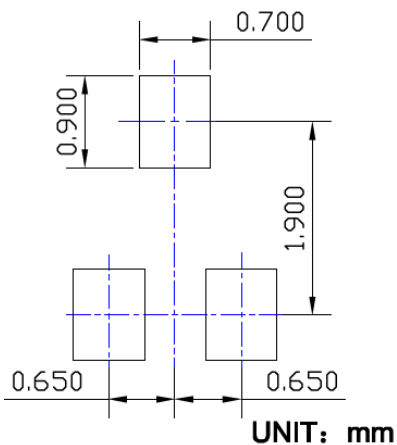


## ■ SOT-323 Package Outline Dimensions



SYMBOL	DIMENSIONS			
	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.035	0.043	0.900	1.100
A1	0.000	0.004	0.000	0.100
A2	0.035	0.039	0.900	1.000
b	0.006	0.016	0.150	0.400
c	0.004	0.010	0.100	0.250
D	0.071	0.087	1.800	2.200
E	0.045	0.053	1.150	1.350
E1	0.085	0.096	2.150	2.450
e	0.026TYP		0.650TYP	
e1	0.047	0.055	1.200	1.400
L	0.021REF		0.525REF	
L1	0.010	0.018	0.260	0.460
θ	0°	8°	0°	8°

## ■ SOT-323 Soldering Footprint





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