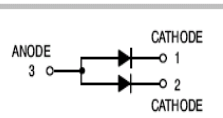
Surface mount switching diode **DAP202U**

FEATURES

- For types of packaging are available.
- High speed.
- Suitable for high packing density layout.
- High reliability.

Lead-free





SOT-323

APPLICATIONS

- High speed switching application.

ORDERING INFORMATION

Type No.	Marking	Package Code
DAP202U	P	SOT-323

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

Characteristic	**Symbol**	**Limits**	**Unit**
Peak Repetitive Reverse Voltage Working peak reverse voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_R	80	V
Forward Continuous Current	I_F	300	mA
Average forward current	I_O	100	mA
Power Dissipation	P_d	200	mW
Operating Junction Temperature Range	T_j	150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Characteristic	**Symbol**	**Min**	**MAX**	**UNIT**	**Test Condition**
Reverse Breakdown Voltage	$V_{(BR)R}$	80	-	V	I_R= 100μA
Forward Voltage	V_F	-	1.2	V	I_F=100mA
Reverse Leakage Current	I_R	-	0.1	μA	V_R=70V
Diode Capacitance	C_D	-	3.5	pF	V_R=6V,f=1MHz
Reverse Recovery Time	t_{rr}	-	4	ns	I_F=5mA V_R=6V

Surface mount switching diode **DAP202U**

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

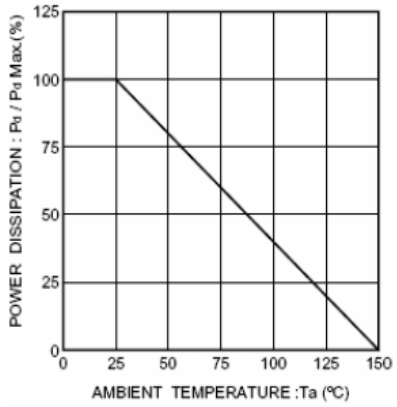


Fig.1 Power attenuation curve

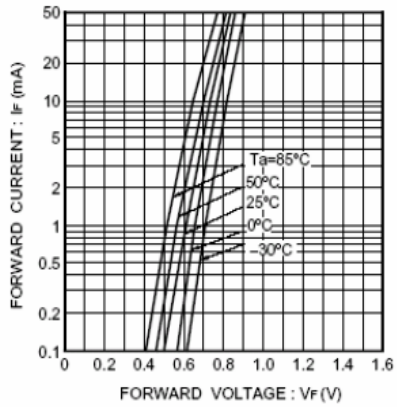


Fig.2 Forward characteristics (P Type)

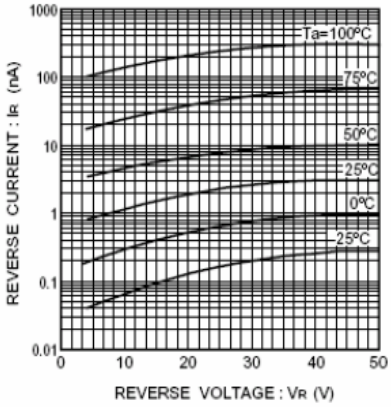


Fig.3 Reverse characteristics (P Type)

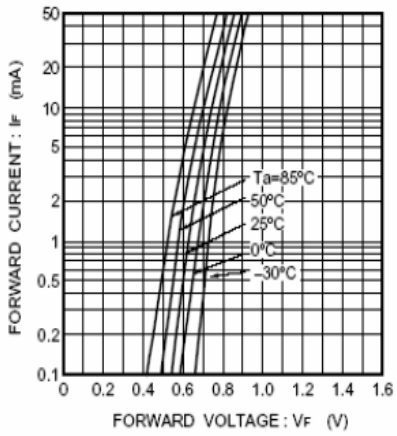


Fig.4 Forward characteristics (N Type)

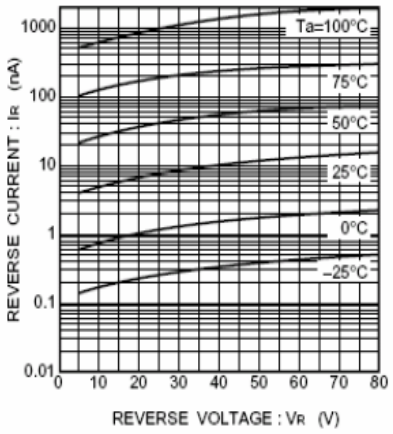


Fig.5 Reverse characteristics (N Type)

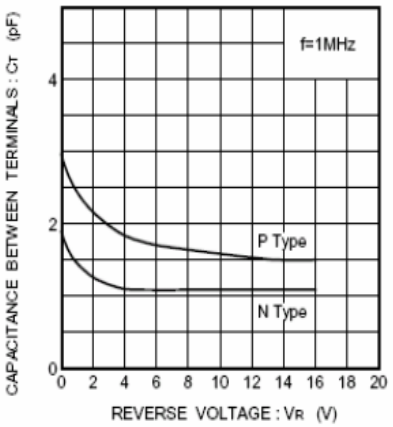


Fig.6 Capacitance between terminals characteristics

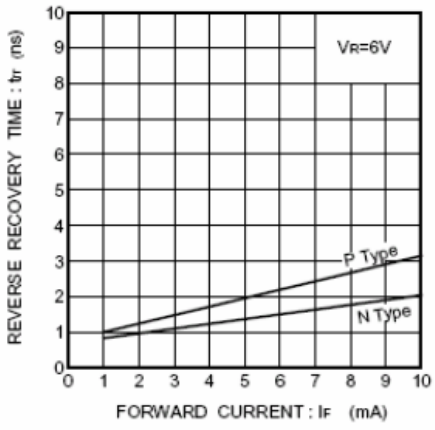
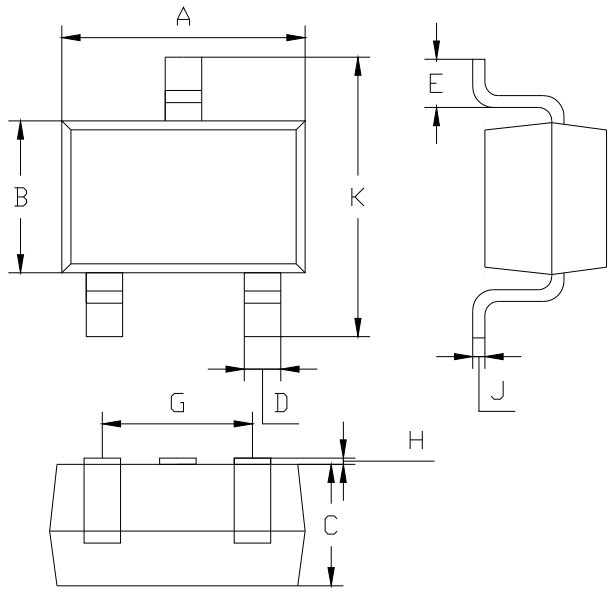


Fig.7 Reverse recovery time

Surface mount switching diode **DAP202U**

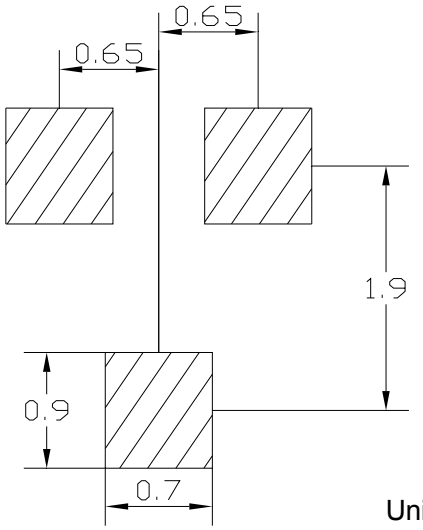
PACKAGE OUTLINE

Plastic surface mounted package SOT-323



SOT-323		
Dim	Min	Max
A	1.8	2.2
B	1.15	1.35
C	1.0Typical	
D	0.15	0.35
E	0.25	0.40
G	1.2	1.4
H	0.02	0.1
J	0.1Typical	
K	2.2	2.4
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
DAP202U	SOT-323	3000/Tape&Reel