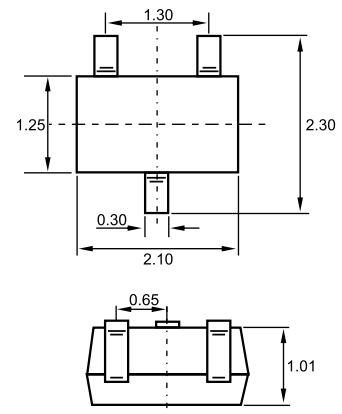


### SOT-323



Dimensions in inches and (millimeters)

### Features

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

### Applications

- ◇ High speed switching application.

### Ordering Information

Type No.	Marking	Package Code
DAP202U	P	SOT-323

### MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	80	V
Working peak reverse voltage	$V_{RWM}$		
DC Reverse Voltage	$V_R$		
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	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C

### ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

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

### TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

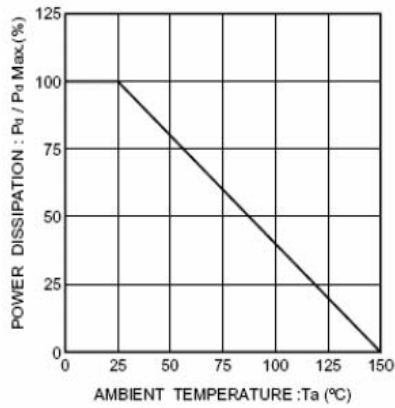


Fig.1 Power attenuation curve

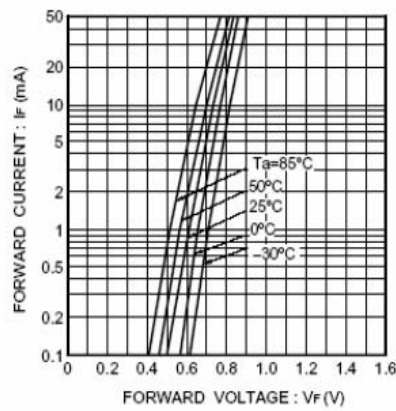


Fig.2 Forward characteristics (P Type)

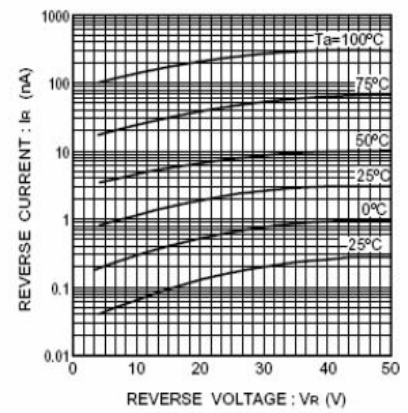


Fig.3 Reverse characteristics (P Type)

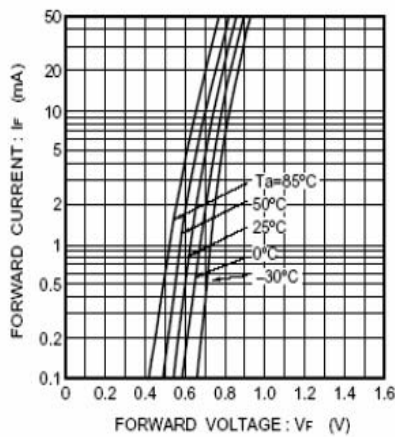


Fig.4 Forward characteristics (N Type)

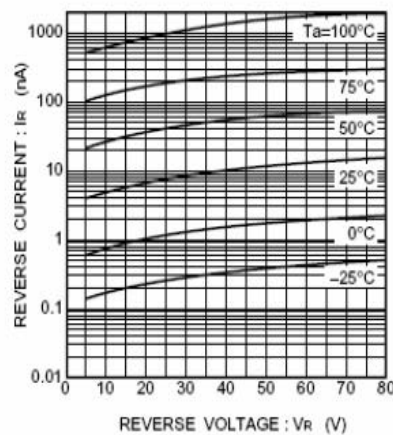


Fig.5 Reverse characteristics (N Type)

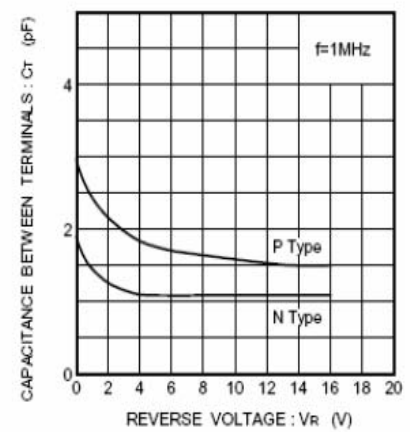


Fig.6 Capacitance between terminals characteristics

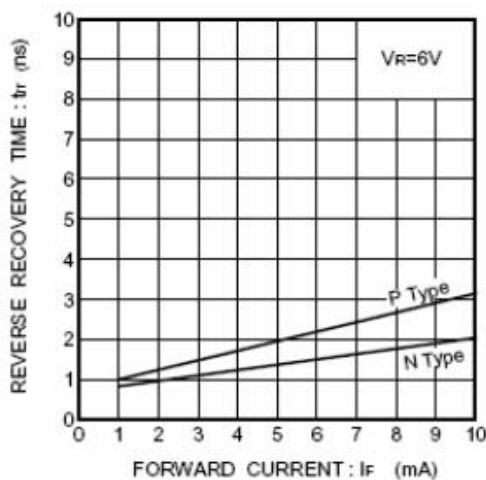


Fig.7 Reverse recovery time