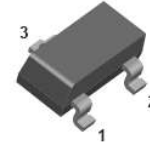
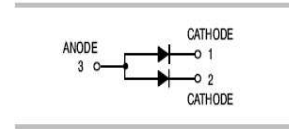




FEATURES

- High speed.
- High reliability.
- Suitable for high packing density layout.



SOT-23

APPLICATIONS

- Ultra high speed switching.
- Silicon epitaxial planar.

ORDERING INFORMATION

Type No.	Marking	Package Code
DAP202□	P	SOT-23

□: none is for Lead Free package;
“G” is for Halogen Free package.

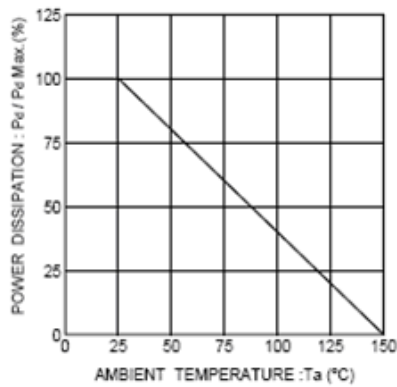
MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	80	V
DC Reverse Voltage	V_R	80	V
Forward continuous Current(Single)	I_{FM}	300	mA
Average rectified forward current(Single)	I_O	100	mA
Surge Current (t=1.0us)	I_{surge}	4	A
Power Dissipation	P_d	200	mW
Junction temperature	T_j	150	°C
Storage temperature range	T_{stg}	-55 to +150	°C

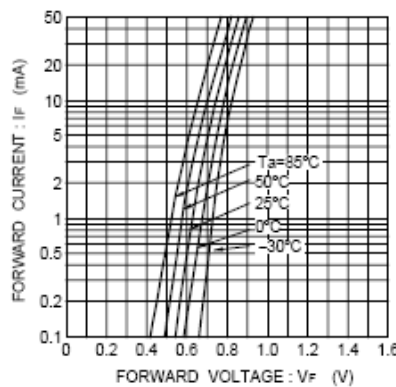
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse voltage leakage current	I_R	$V_R=70V$		0.1	μA
Forward voltage	V_F	$I_F=100mA$		1.2	V
Total capacitance	C_T	$V_R=6V, f=1MHz$		3.5	pF
Reverse recovery time	t_{rr}	$I_F=5mA, V_R=6V, R_L=50\Omega$		4	ns

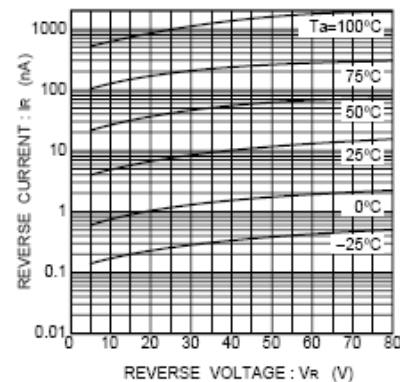
TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



Power attenuation curve



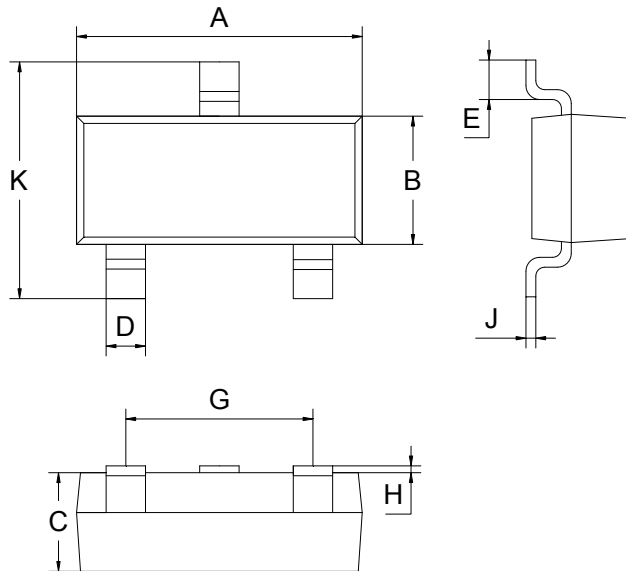
Forward characteristics



Reverse characteristics

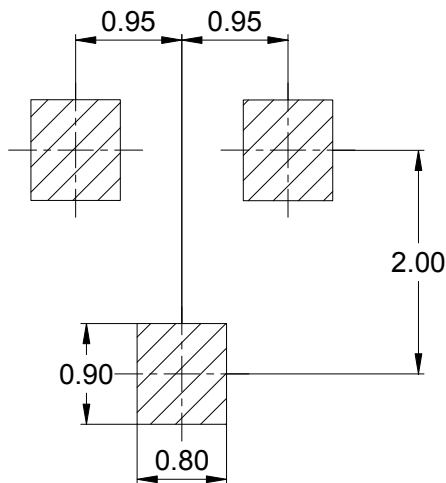
PACKAGE OUTLINE

Plastic surface mounted package



SOT-23		
Dim	Min	Max
A	2.70	3.10
B	1.10	1.50
C	0.90	1.10
D	0.30	0.50
E	0.35	0.48
G	1.80	2.00
H	0.02	0.10
J	0.05	0.15
K	2.20	2.60
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
DAP202	SOT-23	3000/Tape&Reel