

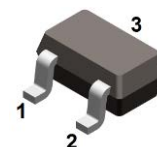
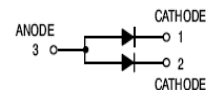


FEATURES

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

APPLICATIONS

- High speed switching application



ORDERING INFORMATION

SOT-323

Type No.	Marking	Package Code
DAP202U	P	SOT-323

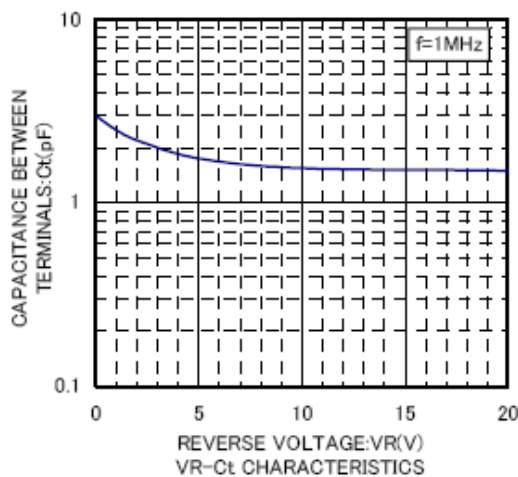
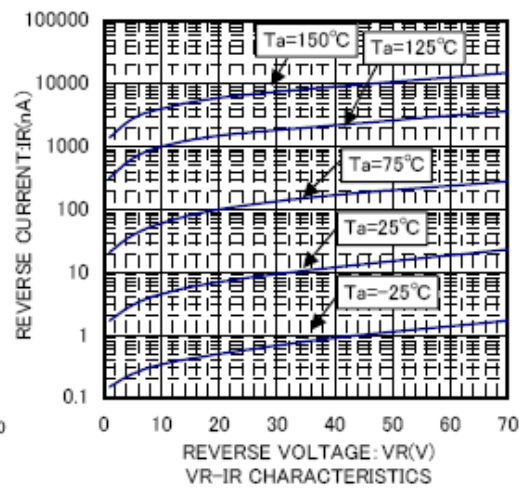
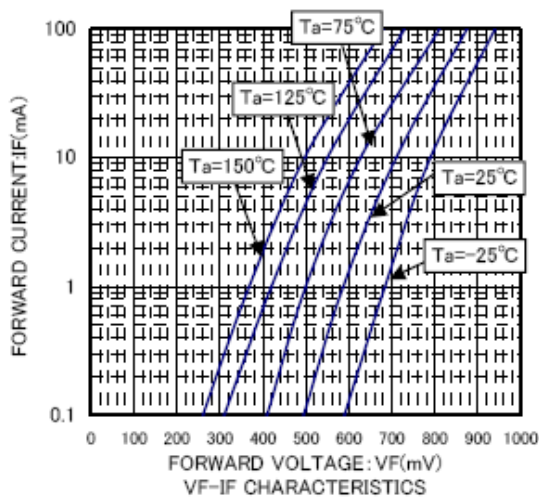
MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	80	V
DC Reverse Voltage	V_R		
Forward Continuous Current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Surge Current (t=1.0us)	I_{surge}	4	A
Power Dissipation	P_D	200	mW
Thermal Resistance Junction-to-Air *1	$R_{\theta JA}$	288	°C/W
Thermal Resistance Junction-to-Case *1	$R_{\theta JC}$	178	°C/W
Thermal Resistance Junction-to-Lead *1	$R_{\theta JL}$	219	°C/W
Operating Junction Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

Note 1: The data tested by surface mounted on a 25.4mm * 25.4mm * 1mm FR4-epoxy P.C.B

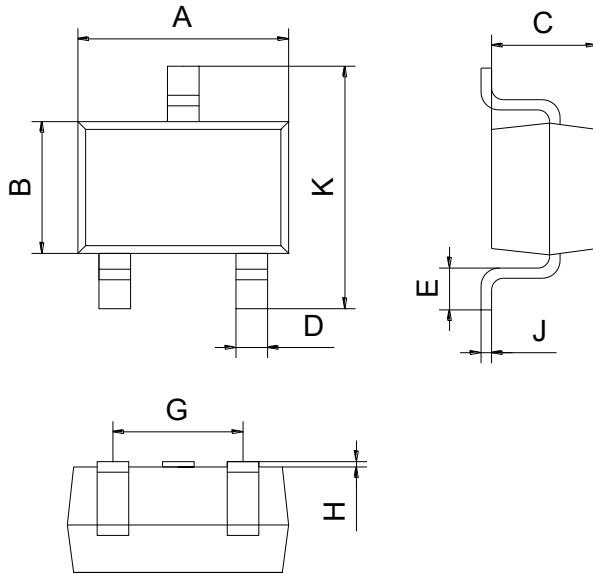
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

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	μA	$V_R=70V$
Diode Capacitance	C_T	-	3.5	pF	$V_R=6V, f=1MHz$
Reverse Recovery Time	t_{rr}	-	4	ns	$I_F=5mA$ $V_R=6V, R_L=50\Omega$

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified


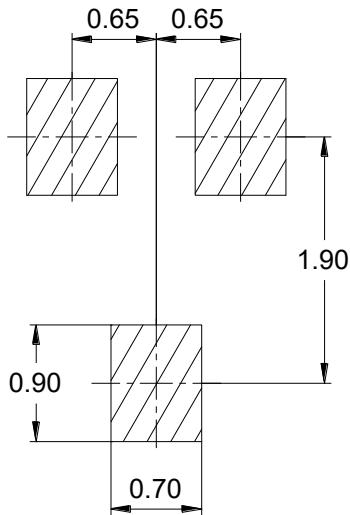
PACKAGE OUTLINE

Plastic surface mounted package



SOT-323		
Dim	Min	Max
A	2.00	2.20
B	1.15	1.35
C	0.90	1.10
D	0.15	0.35
E	0.25	0.40
G	1.20	1.40
H	0.02	0.10
J	0.05	0.15
K	2.20	2.40
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

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