

Surface Mount Switching Diode

DAP202U

FEATURES

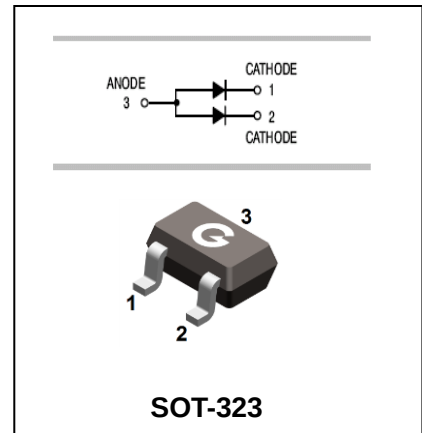
- For types of packaging are available
- High speed
- Suitable for high packing density layout
- High reliability

APPLICATIONS

- High speed switching application

ORDERING INFORMATION

HF



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

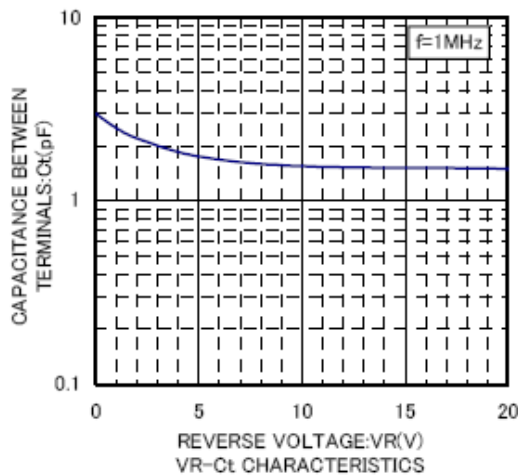
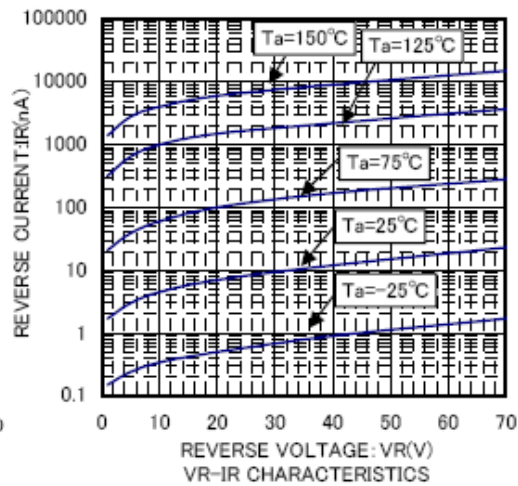
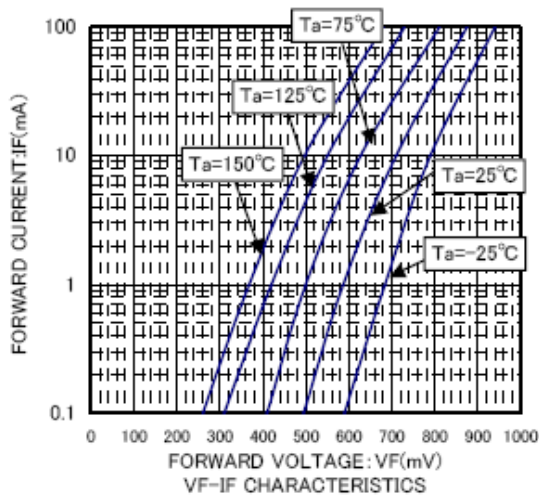
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ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

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



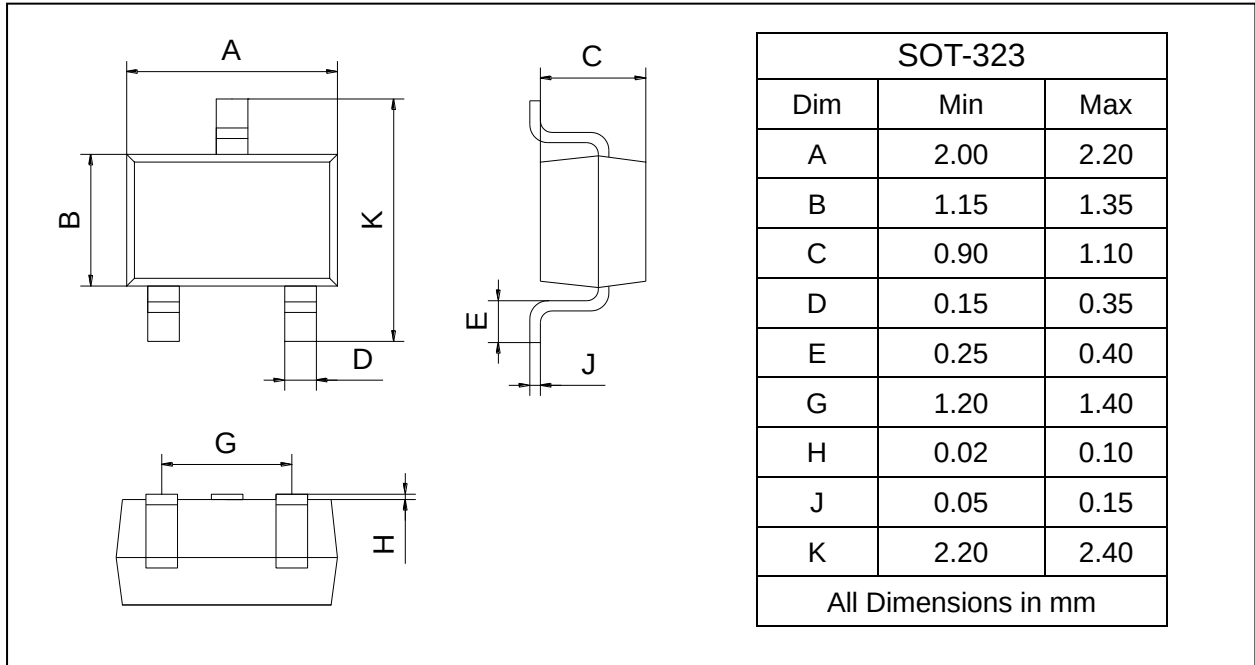
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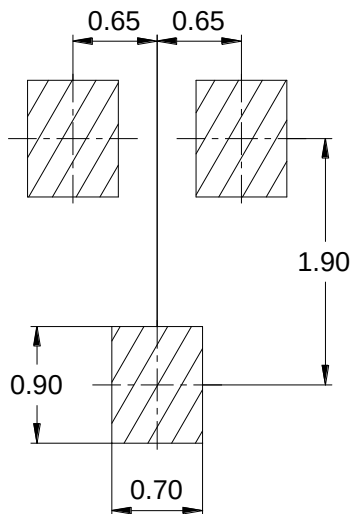
PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

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