

Dual surface mount switching diode

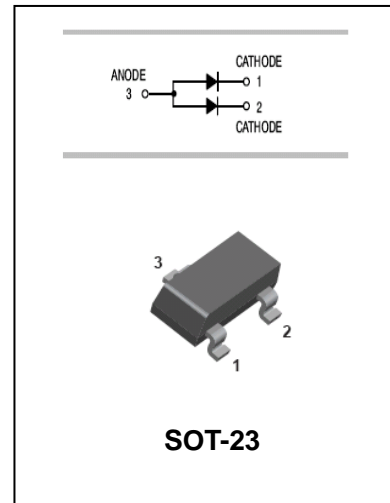
**DAP202**

**FEATURES**

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



Lead-free



**APPLICATIONS**

- Ultra high speed switching.
- Silicon epitaxial planar.

**ORDERING INFORMATION**

Type No.	Marking	Package Code
DAP202	P	SOT-23

**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



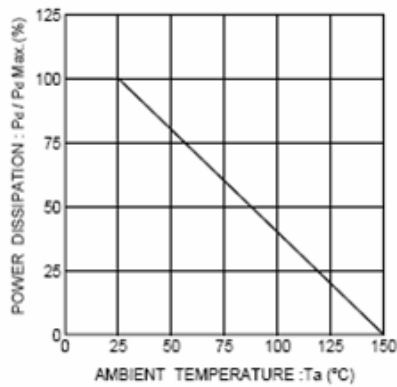
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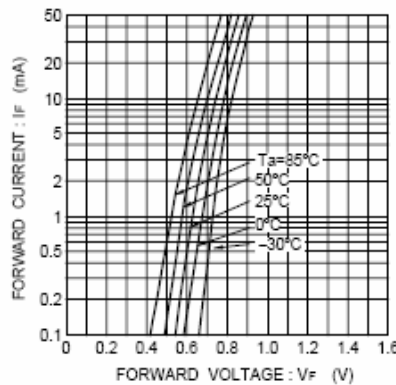
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse voltage leakage current	$I_R$	$V_R=70V$		0.1	$\mu A$
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

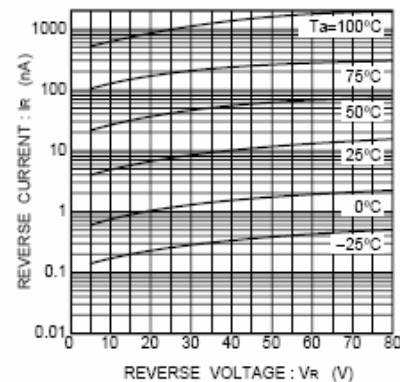
TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



Power attenuation curve



Forward characteristics



Reverse characteristics

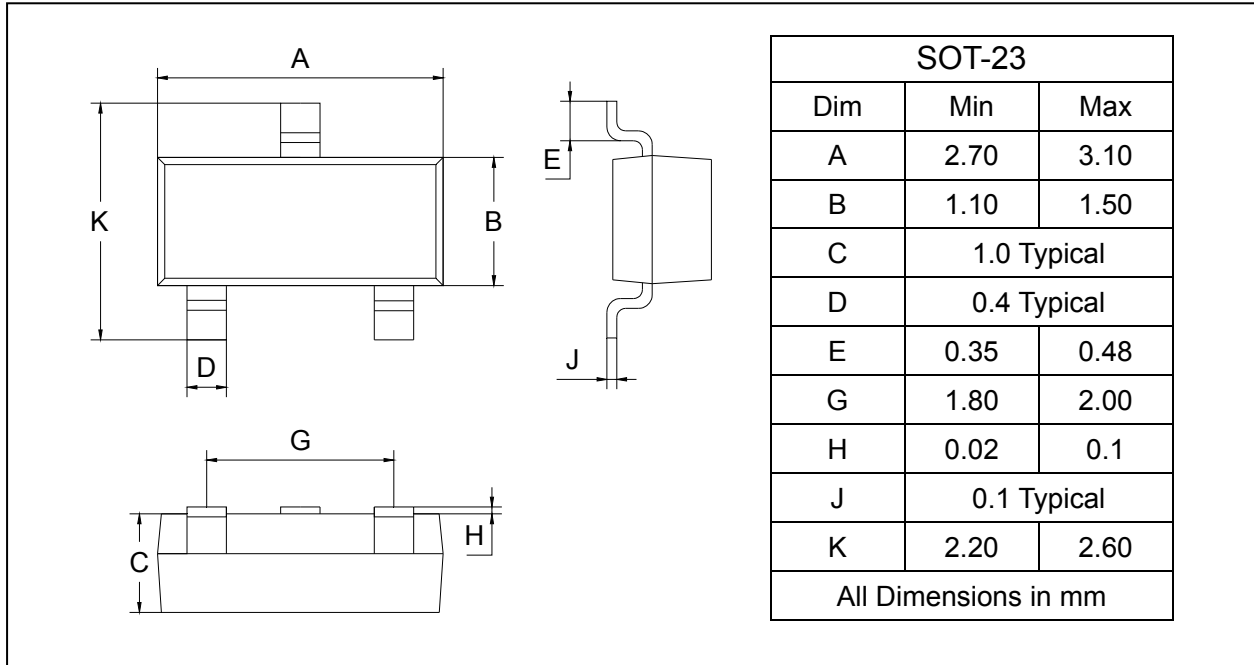
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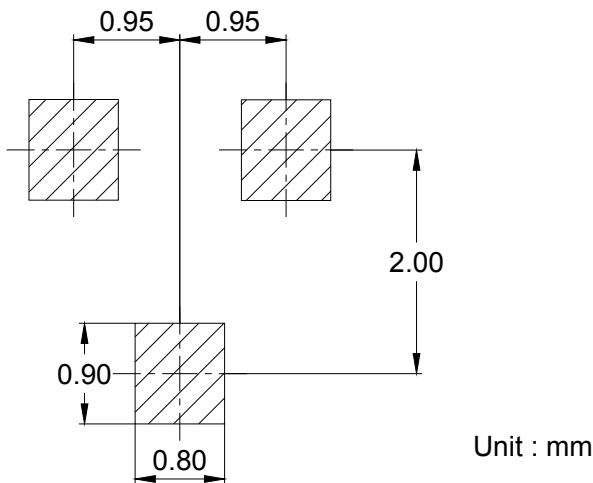
PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



PACKAGE INFORMATION

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