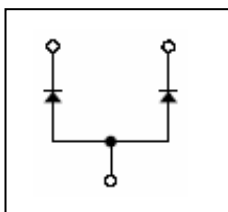


SWITCHING DIODE

FEATURES:

- Four types of packaging are available
- High speed. ($t_{rr}=1.5\text{ns}$ Typ.)
- Suitable for high packing density layout
- High reliability.
- **Pb-Free package is available**
RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"
- **Moisture Sensitivity Level 1**

SOT-323



MARKING: P

Maximum Ratings @ $T_A=25^\circ\text{C}$

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	80	V
DC reverse voltage	V_R	80	V
Maximum (peak) forward current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Power dissipation	P_D	200	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Operating/Storage temperature	T_{stg}	-55-150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	80		V
Reverse voltage leakage current	I_R	$V_R=70\text{V}$		0.1	μA
Forward voltage	V_F	$I_F=100\text{mA}$		1.2	V
Diode capacitance	C_D	$V_R=6\text{V}$, $f=1\text{MHz}$		3.5	pF
Reverse recovery time	t_{rr}	$V_R=6\text{V}$, $I_F=5\text{mA}$		4	ns

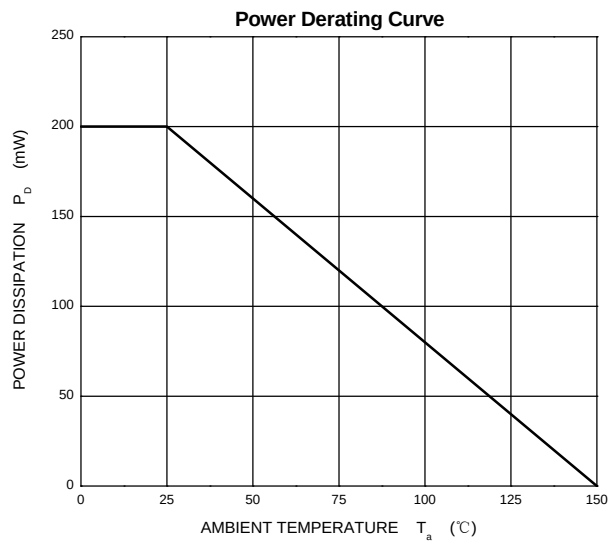
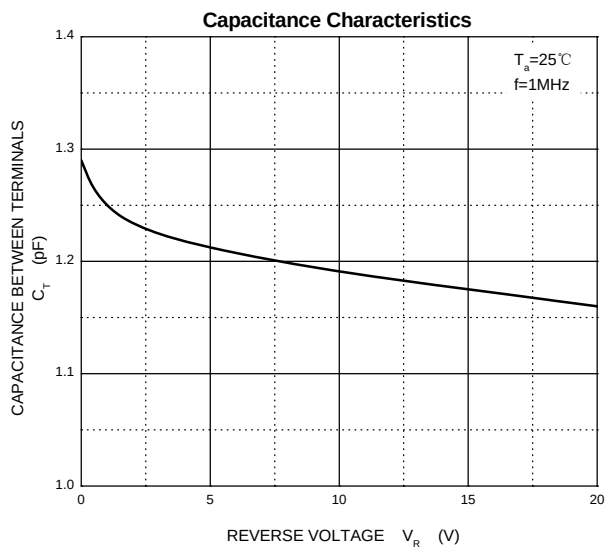
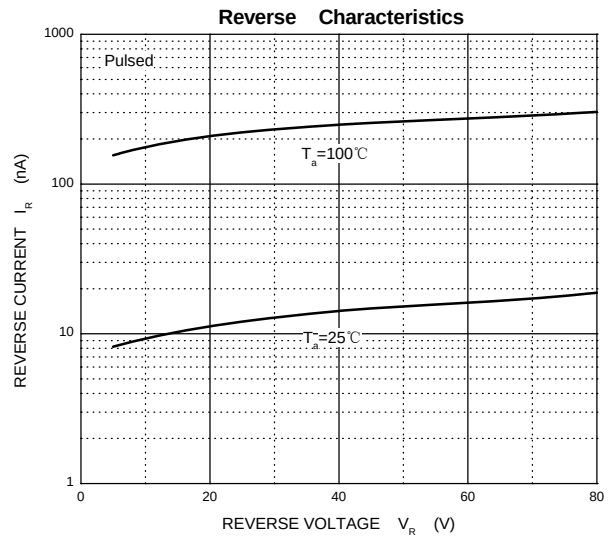
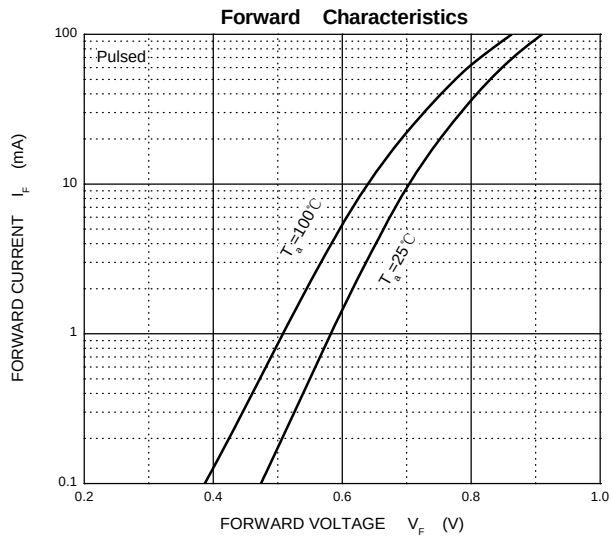


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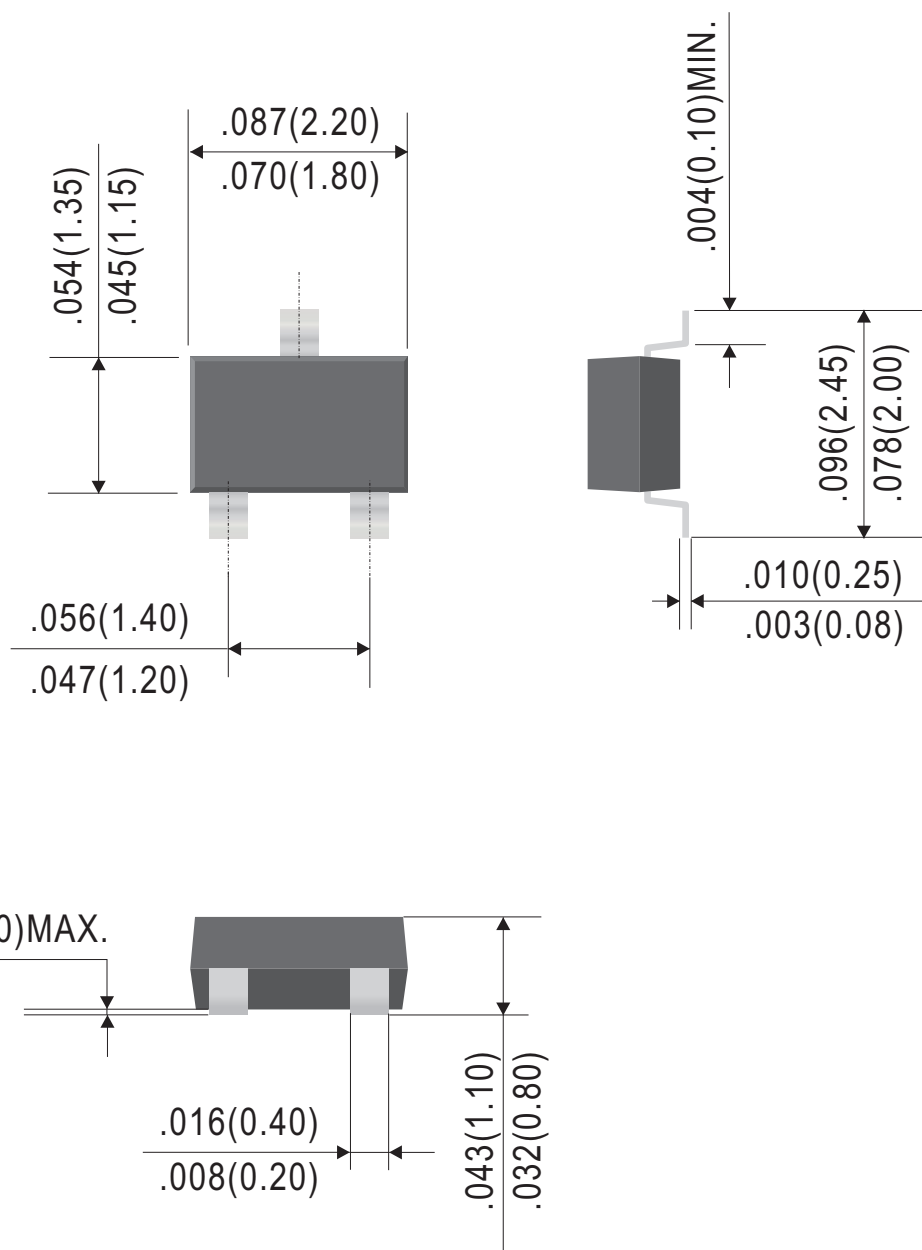
SOT-323 Plastic-Encapsulate Diodes

DAP202U



Outline Drawing

SOT-323



Dimensions in inches and (millimeters)

Rev.D

Ordering Information:

Device PN	Packing
DAP202U-T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape&Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

*****Disclaimer*****

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