



Micro Commercial Components



Micro Commercial Components
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DAP202U

Features

- High reliability
- High speed ($T_{rr}=1.5\text{ns}$ Typ.)
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

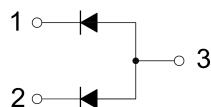
Maximum Ratings

Symbol	Parameter	Rating	Unit
V_{RM}	Peak Reverse Voltage	80	V
I_o	Average Forward Current	100	mA
I_{FM}	Peak Forward Current	300	mA
P_D	Power dissipation	200	mW
T_J	Junction Temperature	-55 to +150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

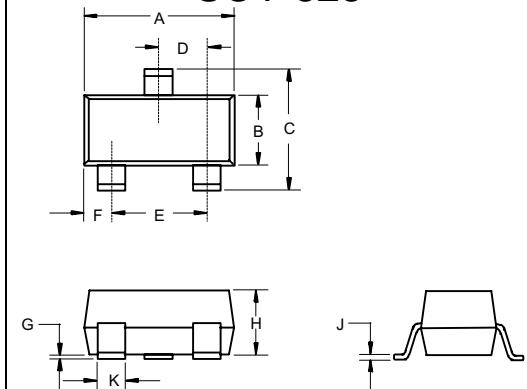
Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
$V_{(BR)}$	Reverse Breakdown Voltage ($I_R=100\mu\text{A}$)	80	---	---	Vdc
V_F	Forward Voltage ($I_F=100\text{mA}$)	---	---	1.2	Vdc
I_R	Reverse Current ($V_R=70\text{Vdc}$)	---	---	0.1	μA
C_D	Diode Capacitance ($V_R=6\text{V}$, $f=1\text{MHz}$)	---	---	3.5	pF
t_{rr}	Reverse Recovery Time ($V_R=6\text{V}$, $I_F=5\text{mA}$)	---	---	4	ns

Marking: P



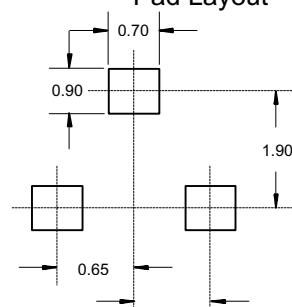
**100 mA
Switching Diode
80 Volts**

SOT-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026	Nominal	0.65	Nominal	
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder Pad Layout



www.mccsemi.com

TM

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

IMPORTANT NOTICE

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