



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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DAP202

Features

- High reliability
- High speed (Trr=1.5ns 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"

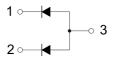
Maximum Ratings

Symbol	Parameter	Rating	Unit
V_{RM}	Peak Reverse Voltage	80	V
lo	Average Forward Current	100	mA
I _{FM}	Peak Forward Current	300	mA
P_D	Power dissipation	200	mW
I _{FSM}	Surge Current	4	Α
R _{thJA}	Thermal Resistance From Junction to Ambient	625	°C/W
TJ	T _J Junction Temperature		$^{\circ}\!\mathbb{C}$
T _{STG} Storage Temperature		-55 to +150	$^{\circ}\!\mathbb{C}$

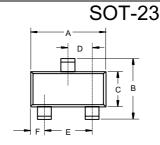
Electrical Characteristics @ 25°C Unless Otherwise Specified

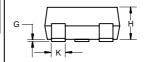
Symbol	Parameter	Min	Тур	Max	Units		
OFF CHARACTERISTICS							
V _F	Forward Voltage (I _F =100mAdc)			1.2	Vdc		
I _R	Reverse Current (V _R =70Vdc)			0.1	μAdc		
C _D	Diode Capacitance (V _R =6V, f=1MHz)			3.5	pF		
t _{rr}	Reverse Recovery Time (V _R =6V, I _F =5mA)			4	ns		

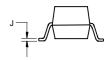
Marking: P



100 mA **Switching Diode** 80 Volts

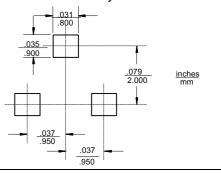






	DIMENSIONS					
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.110	.120	2.80	3.04		
В	.083	.104	2.10	2.64		
С	.047	.055	1.20	1.40		
D	.035	.041	.89	1.03		
Е	.070	.081	1.78	2.05		
F	.018	.024	.45	.60		
G	.0005	.0039	.013	.100		
Н	.035	.044	.89	1.12		
J	.003	.007	.085	.180		
K	.015	.020	.37	.51		

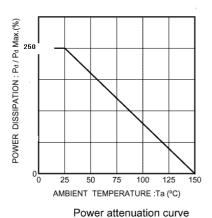
Suggested Solder Pad Layout

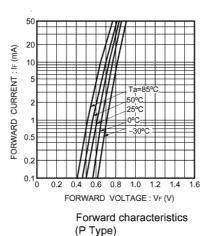


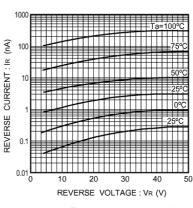
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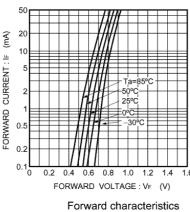
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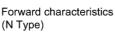


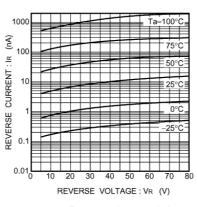




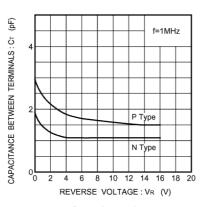
Reverse characteristics (P Type)



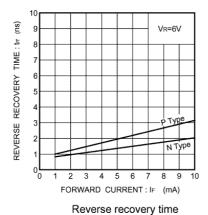


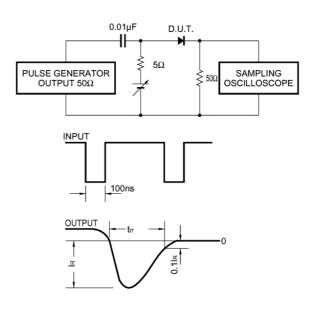


Reverse characteristics (N Type)



Capacitance between terminals characteristics





Reverse recovery time (trr) measurement circuit



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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

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