



Micro Commercial Components

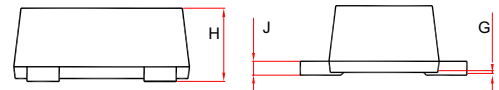
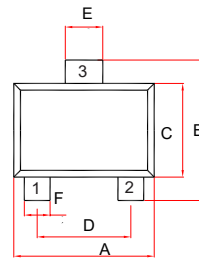


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# DAN222M DAP222M

**100 mA  
Switching Diode  
80 Volts**

## SOT-723



## Features

- High reliability
- Ultra High Speed Switching Applications
- 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

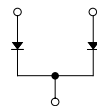
Symbol	Parameter	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	80	V
$I_F$	Forward Current	100	mA
$I_{FM}$	Peak Forward Current	300	mA
$I_{FSM}$	Non-Repetitive Peak Forward Surge Current (t=1us)	4.0	A
$P_D$	Power Dissipation	150	mW
$R_{thJA}$	Thermal Resistance from Junction to Ambient	833	°C/W
$T_J$	Junction Temperature	-55 to +150	°C
$T_{STG}$	Storage Temperature	-55 to +150	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

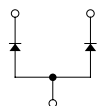
Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	Forward Voltage ( $I_F=100mA_{dc}$ )	---	---	1.2	Vdc
$I_R$	Reverse Current ( $V_R=70V_{dc}$ )	---	---	0.1	$\mu A_{dc}$
$C_D$	Diode Capacitance ( $V_R=6V$ , $f=1MHz$ )	---	---	3.5	pF
$t_{rr}$	Reverse Recovery Time ( $V_R=6V$ , $I_F=5mA$ )	---	---	4	ns

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.045	.049	1.15	1.25	
B	.045	.049	1.15	1.25	
C	.030	.033	0.75	0.85	
D	.031TYP.		0.80TYP.		
E	.011	.015	0.27	0.37	
F	.007	.011	0.17	0.27	
G	.000	.002	.000	.050	
H	.017	.020	0.43	0.50	
J	.003	.006	.080	.150	

## Marking:



DAN222: N



DAP222: P



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

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

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