



Micro Commercial Components



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DAN222M DAP222M

100 mA Switching Diode 80 Volts

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"

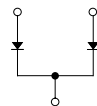
Maximum Ratings

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

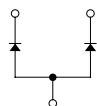
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
V_F	Forward Voltage ($I_F=100mA_{dc}$)	---	---	1.2	Vdc
I_R	Reverse Current ($V_R=70V_{dc}$)	---	---	0.1	μA_{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

Marking:

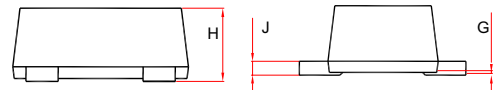
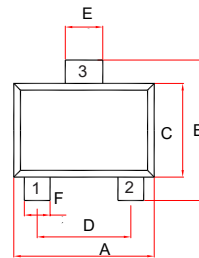


DAN222: N



DAP222: P

SOT-723



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	



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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

IMPORTANT NOTICE

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