

Features

- · High Speed
- High Reliability
- Halogen Free. "Green" Device (Note 1)
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

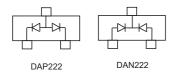
MCC Part Number	Device Marking		Repetitive rse Voltage V _{RM}	
DAN222	N	80V		
DAP222	Р	80V		
Continuous Forward Current	I _F	100mA		
Peak Forward Surge Current *	I _{FSM}	300mA		

Electrical Characteristics @ 25°C Unless Otherwise Specified

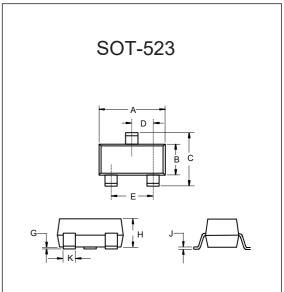
Maximum Forward Voltage	V_{F}	1.2V	I _F =100.0mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.1μΑ	V _R =70V
Maximum Junction Capacitance	C _D	3.5pF	V _R =1.0V,f=1.0MHz
Maximum Reverse Recovery Time	t _{rr}	4.0ns	V _R =1.0V,I _F =5.0mA

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure

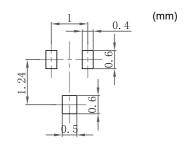


100 mA Switching Diode 80 Volts



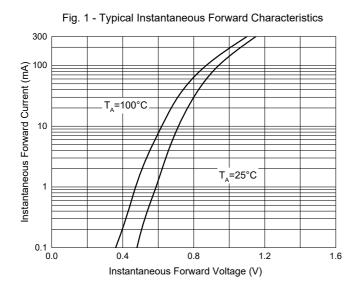
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	0.059	0.067	1.50	1.70	
В	0.030	0.033	0.75	0.85	
С	0.057	0.069	1.45	1.75	
D	0.020 Nominal		0.50 Nominal		
Е	0.035	0.043	0.90	1.10	
G	0.000	0.004	0.00	0.10	
Н	0.024	0.031	0.60	0.80	
J	0.004	0.008	0.10	0.20	
K	0.006	0.014	0.15	0.35	

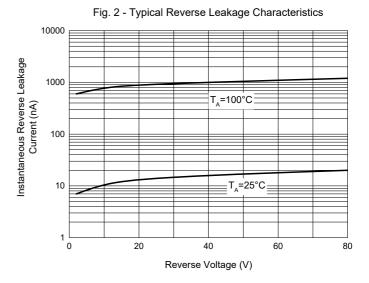
Suggested Solder Pad Layout

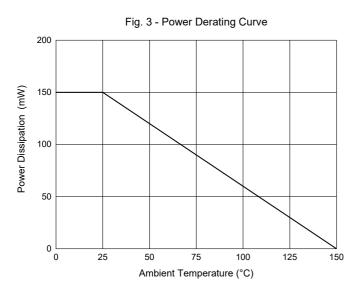




Curve Characteristics







Rev.3-3-12012020 2/3 MCCSEMI.COM



Ordering Information

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

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