

## **Features**

- High Speed •
- High Reliability •
- Halogen Free. "Green" Device (Note 1)
- Moisture Sensitivity Level 1 ٠
- 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

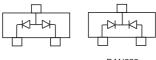
<u> </u>						
MCC Part Number	Device Marking	Peak Repetitive Reverse Voltage V <sub>RM</sub>				
DAN222	Ν	80V				
DAP222	Р	80V				
Continuous Forward Current	I <sub>F</sub>	100mA				
Peak Forward Surge Current *	I <sub>FSM</sub>	300mA				

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Forward Voltage	V <sub>F</sub>	1.2V	I <sub>F</sub> =100.0mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	0.1µA	V <sub>R</sub> =70V
Maximum Junction Capacitance	C <sub>D</sub>	3.5pF	V <sub>R</sub> =1.0V,f=1.0MHz
Maximum Reverse Recovery Time	t <sub>rr</sub>	4.0ns	V <sub>R</sub> =1.0V,I <sub>F</sub> =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.

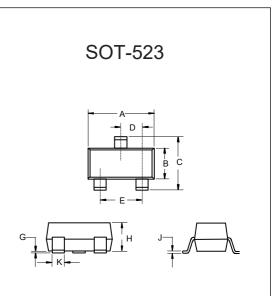
### **Internal Structure**





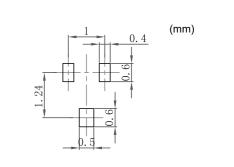






	DIMENSIONS						
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
A	0.059	0.067	1.50	1.70			
В	0.030	0.033	0.75	0.85			
С	0.057	0.069	1.45	1.75			
D	0.020 1	Nominal	0.50 N	ominal			
E	0.035	0.043	0.90	1.10			
G	0.000	0.004	0.00	0.10			
Н	0.024	0.031	0.60	0.80			
J	0.004	0.008	0.10	0.20			
K	0.006	0.014	0.15	0.35			

#### Suggested Solder Pad Layout







# **Curve Characteristics**

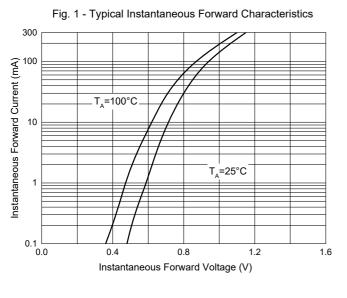
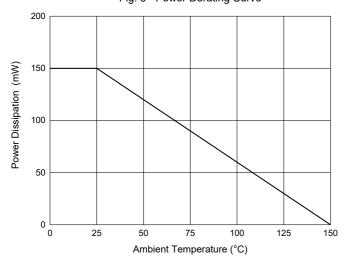


Fig. 3 - Power Derating Curve



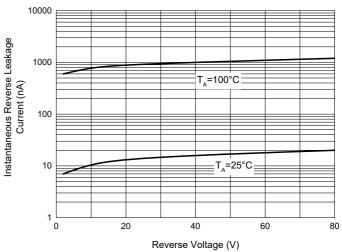


Fig. 2 - Typical Reverse Leakage Characteristics



## **Ordering Information**

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

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