

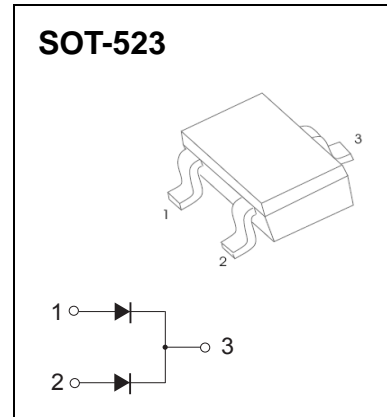
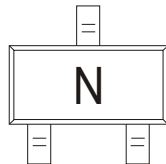
# Plastic-Encapsulate Transistors

## DAN222T SWITCHING DIODE

### FEATURES:

- Four types of packaging are available
- High speed
- Suitable for high packing density layout
- High reliability

MARKING: N



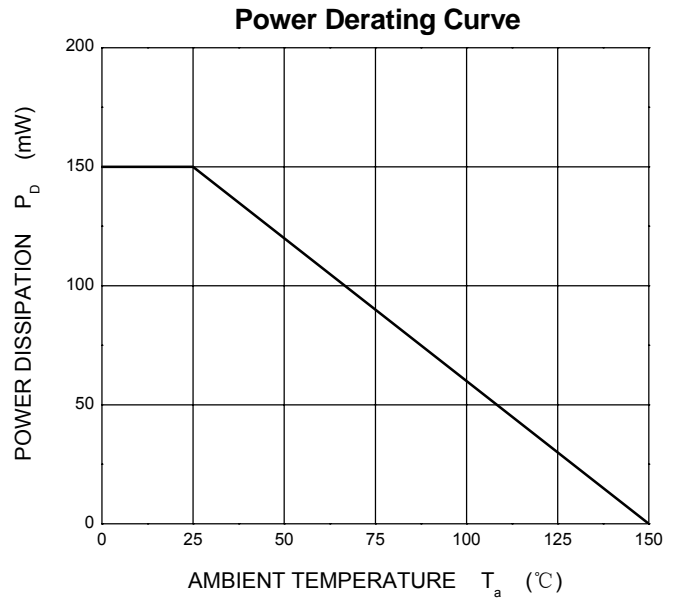
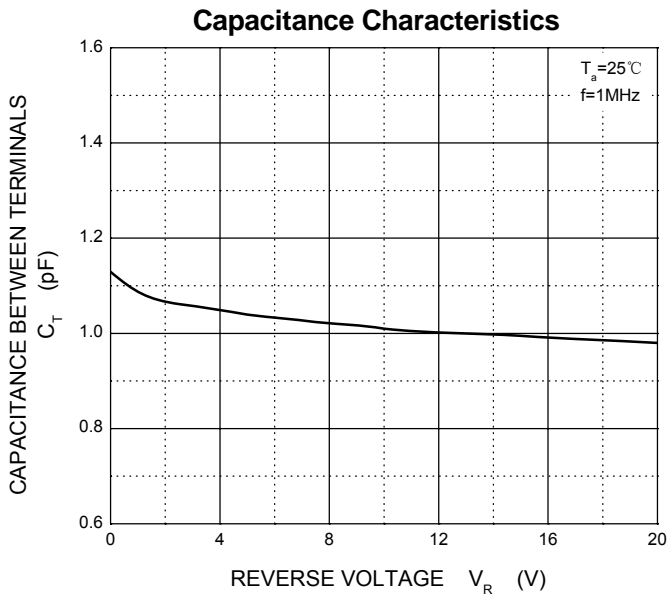
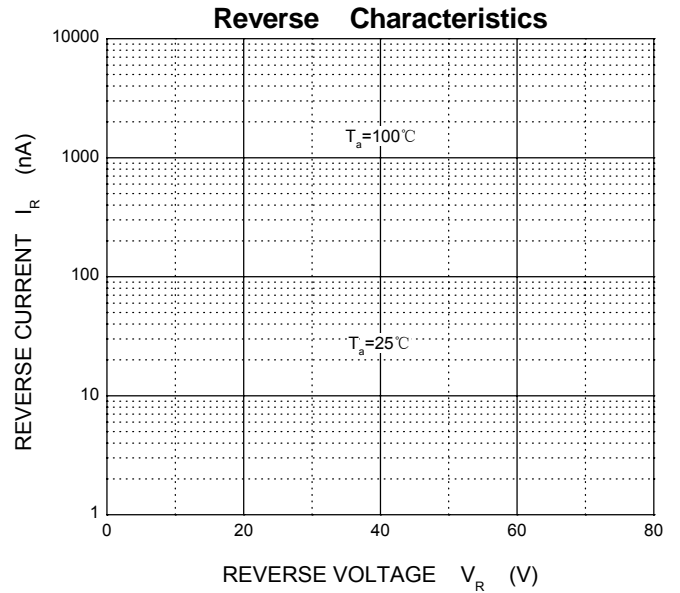
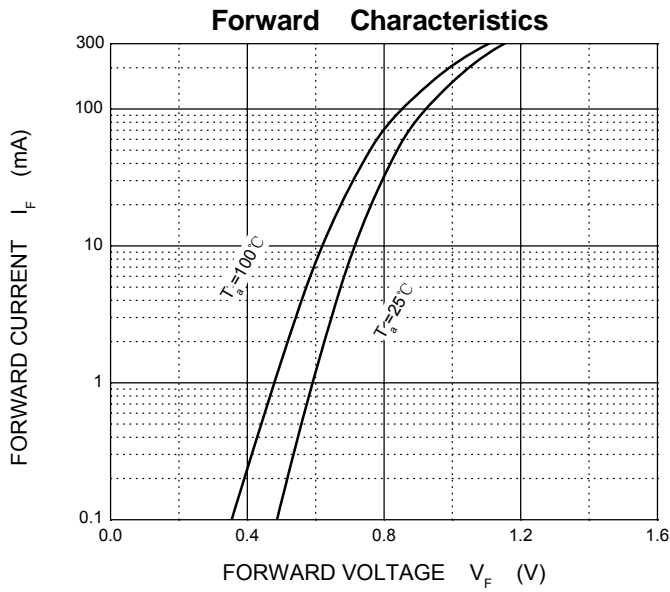
### Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	$V_{RM}$	80	V
DC Blocking Voltage	$V_R$	80	V
Forward Continuous Current	$I_{FM}$	300	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	$I_{FSM}$	2.0	A
Average Rectified Output Current	$I_O$	100	mA
Power Dissipation	$P_D$	150	mW
Thermal resistance From Junction to ambient	$R_{\theta JA}$	833	°C/W
Operation Junction and Storage Temperature Range	$T_J, T_{STG}$	-55~+150	°C

### ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\mu A$	80		V
Reverse voltage leakage current	$I_R$	$V_R = 70V$		0.1	$\mu A$
Forward voltage	$V_F$	$I_F = 100mA$		1.2	V
Diode capacitance	$C_D$	$V_R = 0, f = 1MHz$		3.5	pF
Reverse recovery time	$t_{rr}$	$V_R = 6V, I_F = I_R = 5mA$		4	ns

## Typical Characteristics



## **PACKAGE OUTLINE**

**Plastic surface mounted package; 3 leads**

**SOT-523**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* [Diodes - General Purpose, Power, Switching category:](#)

*Click to view products by* [Hong Kong Chuangji manufacturer:](#)

Other Similar products are found below :

[MMBD3004S-13-F](#) [1N3611](#) [NTE156A](#) [NTE6244](#) [1SS400CST2RA](#) [SDAA13](#) [SHN2D02FUTW1T1G](#) [1N4449](#) [1N456A](#) [1N914BTR](#)  
[D291S45T](#) [BAS 16-02L E6327](#) [BAS 16-02V H6327](#) [BAS 21U E6327](#) [BAS 28 E6327](#) [BAW56DWQ-7-F](#) [BAW56M3T5G](#) [BAW75-TAP](#)  
[MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#) [JAN1N4454UR-1](#) [SMMSD4148T3G](#) [BYW95B/A52A](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#)  
[BAV70HDW-7](#) [BAS28-7](#) [JANTX1N6640](#) [BAW56HDW-13](#) [BAS28 TR](#) [VS-HFA04SD60STR-M3](#) [1SS388-TP](#) [BAV99TQ-13-F](#)  
[BAV99HDW-13](#) [1N4004](#) [MMDB30-E28X](#) [LS4148](#) [IDV15E65D2](#) [W0503RH200S0L](#) [W0503SH200S0L](#) [M0268SJ200NLF](#)  
[M0268RJ200NLF](#) [S3MBF](#) [US1J](#) [DAN217U-TP](#) [SHV-06JNS-Q](#) [IDW30C65D1](#) [IDW80C65D1](#) [VS-HFA30TA60CSR-M3](#)