



WILLAS



SOT-523 Plastic-Encapsulate Diodes

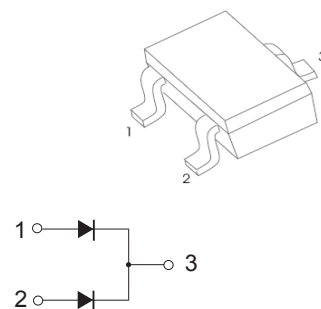
DAN222

SWITCHING DIODE

FEATURES:

- Four types of packaging are available
- High speed
- Suitable for high packing density layout
- High reliability
- **Pb-Free package is available**
RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

SOT-523



MARKING: N

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25 °C

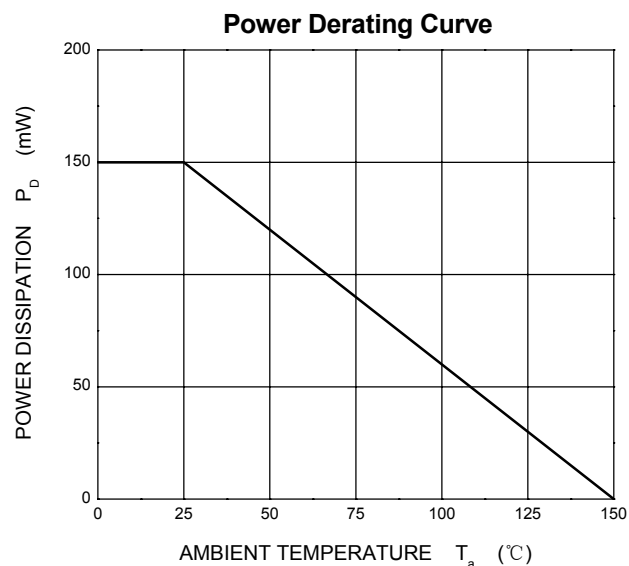
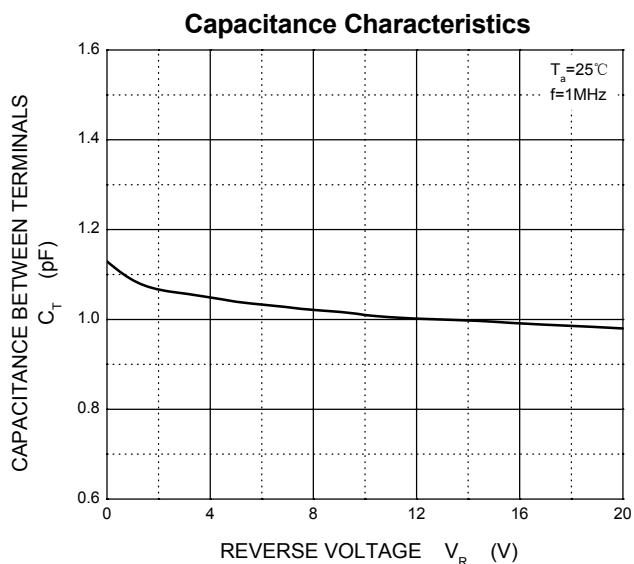
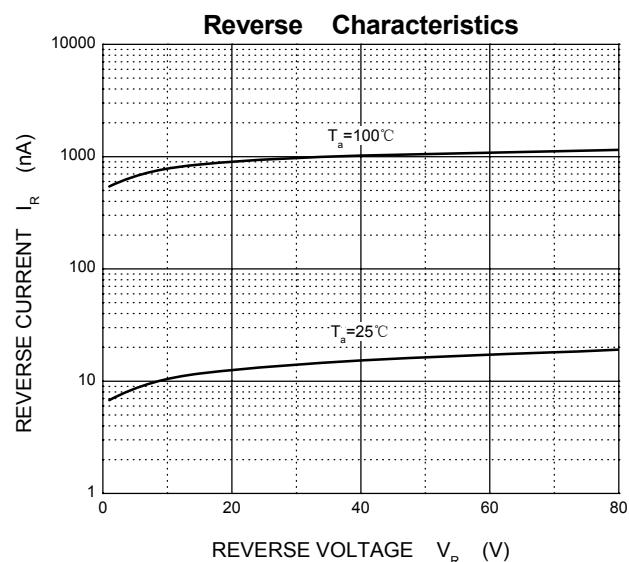
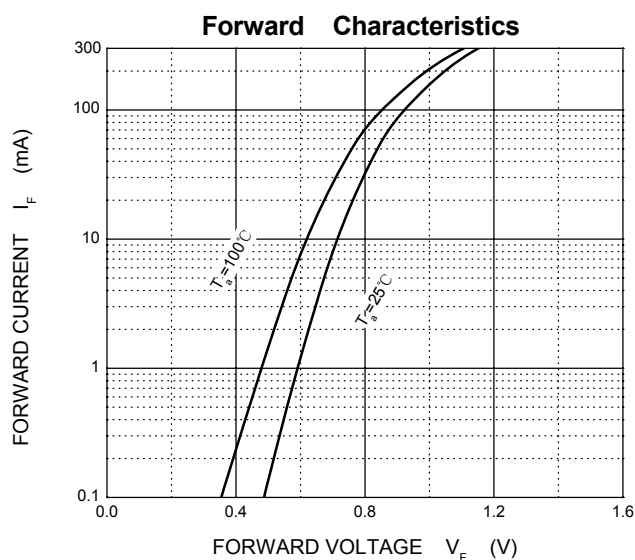
Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	80	V
DC reverse voltage	V_R	80	V
Maximum (peak) forward current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Power dissipation	P_D	150	mW
Junction temperature	T_j	150	°C
Operating/Storage temperature	T_{stg}	-55~+150	°C

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	μA
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



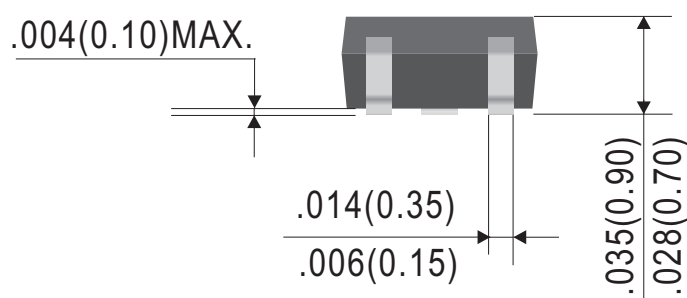
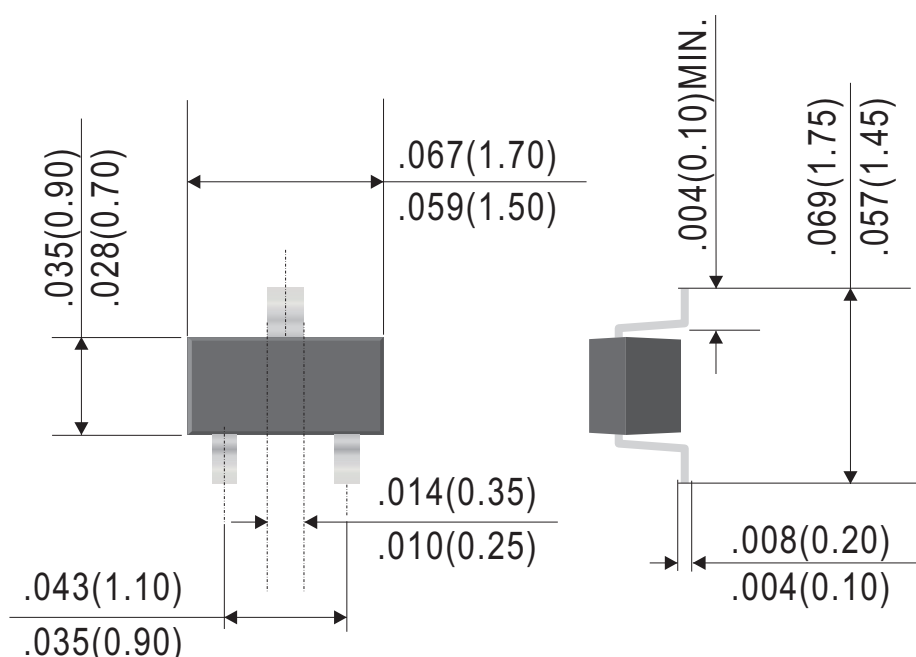
Typical Characteristics





Outline Drawing

SOT-523



Dimensions in inches and (millimeters)



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SOT-523 Plastic-Encapsulate Diodes

DAN222

Ordering Information:

Device PN	Packing
DAN222-T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Ree

Note: (1) Packing code, Tape&Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

Disclaimer

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