

DAN222

SWITCHING DIODE

VOLTAGE 80 Volt **POWER** 150 mWatt

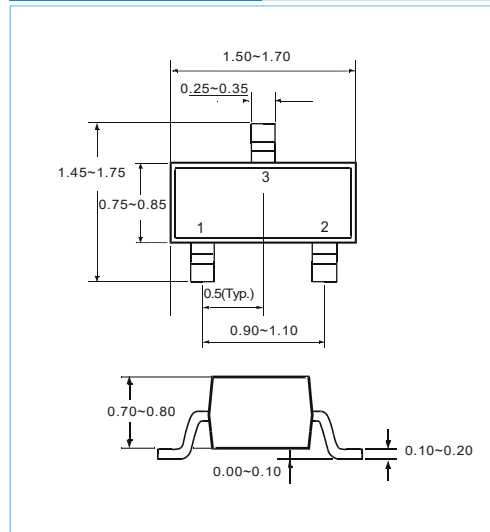
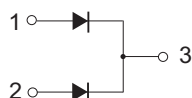
SOT-523 Unit:mm

FEATURES

- Four types of packaging are available
- High speed
- High reliability
- Suitable for high packing density layout
- Lead free in compliance with EU RoHS
- Marking code: N

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

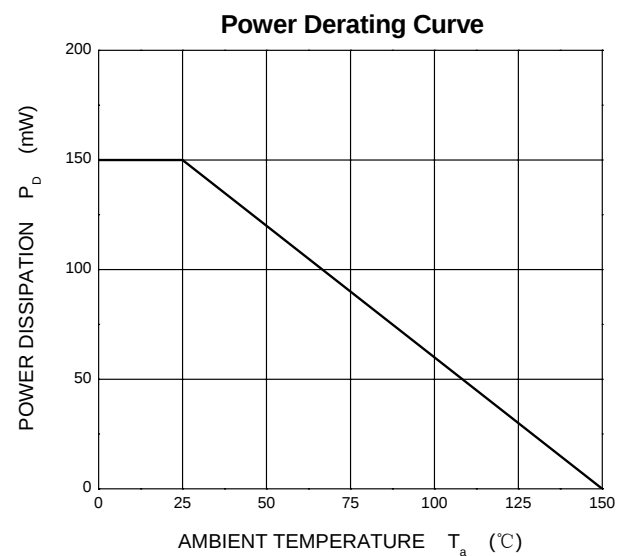
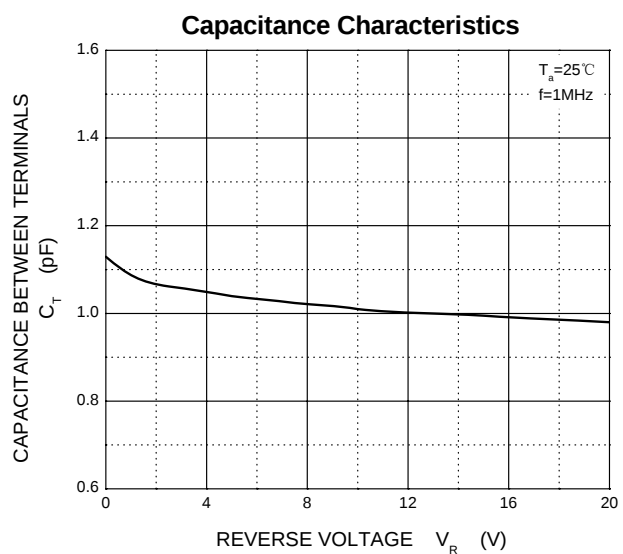
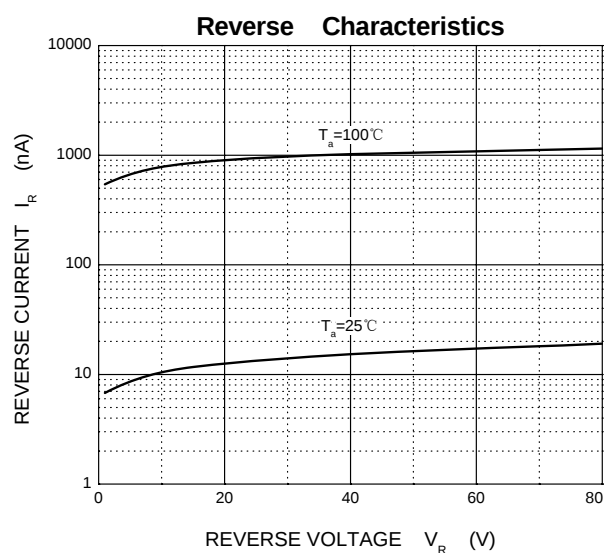
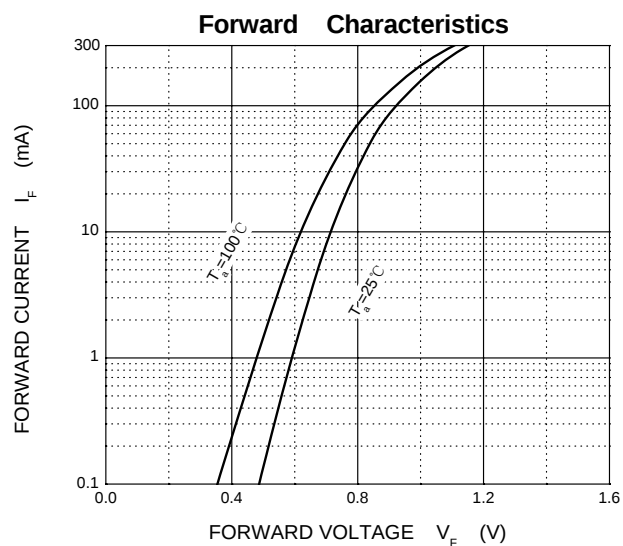
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Continuous Forward Current	I_O	100	mA
Peak Forward Current	I_{FM}	300	mA
Non-Repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSM}	2.0	A
Power Dissipation	P_D	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	833	$^{\circ}\text{C/W}$
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature range	T_{STG}	-55~+150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V_R	80			V	$I_R=100\mu\text{A}$
Forward voltage	V_F			1.2	V	$I_F=100\text{mA}$
Reverse current	I_R			0.1	μA	$V_R=70\text{V}$
Capacitance between terminals	C_T			3.5	pF	$V_R=0, f=1\text{MHz}$
Reverse recovery time	t_{rr}			4.0	ns	$I_F = 5\text{mA}, V_R=6\text{V}$

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Typical Characteristics

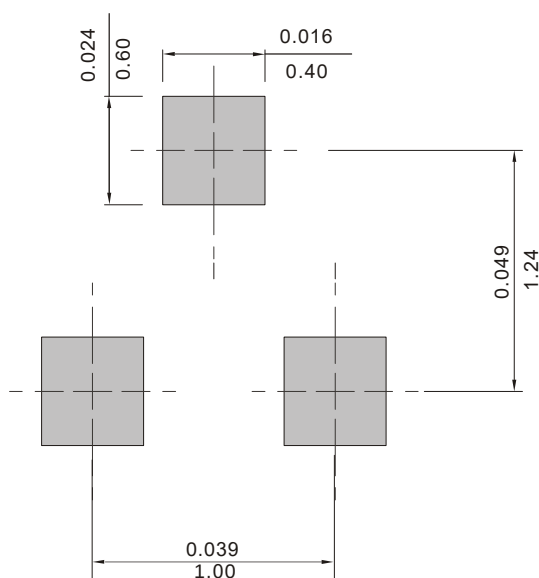


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MOUNTING PAD LAYOUT

SOT-523

Unit:Inch(mm)



ORDER INFORMATION

• Packing information

Part Number	Case	Reel Size	QUANTITY
DAN222	SOT-523	7 Inch	3000