DAN202

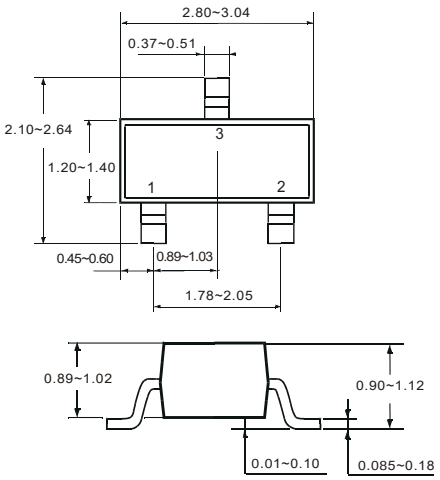
SWITCHING DIODE

VOLTAGE	80 Volt	POWER	250 mWatt

FEATURES

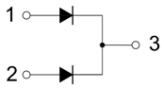
- Fast Switching Speed
- EFor General Purpose Switching Applications
- High Conductance
- Lead free in compliance with EU RoHS
- Marking code: N

SOT-23 Unit:mm



MECHANICAL DATA

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



MAXIMUM RATINGS (T_A=25℃ unless otherwise noted)

Parameter	Symbol	Limit	Unit
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=8.3ms	I_{FSM}	2.0	A
Power Dissipation	P_D	250	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	℃/W
Junction Temperature	T_J	150	℃
Storage Temperature range	T_{STG}	-55~+150	℃

ELECTRICAL CHARACTERISTICS (T_A=25℃ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V_R	80			V	I_R=100μA
Forward voltage	V_F			1.2	V	I_F=100mA
Reverse current	I_R			0.1	μA	V_R=70V
Capacitance between terminals	C_T			3.5	pF	V_R=6,f=1MHz
Reverse recovery time	t_{rr}			4	ns	I_F = I_R = 5mA,V_R=6V

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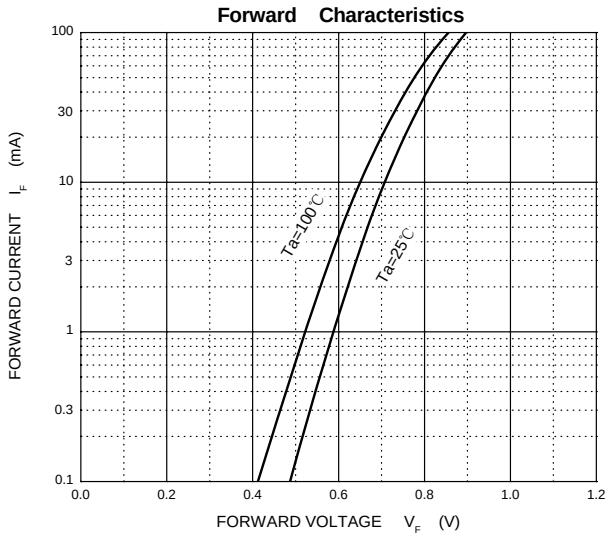
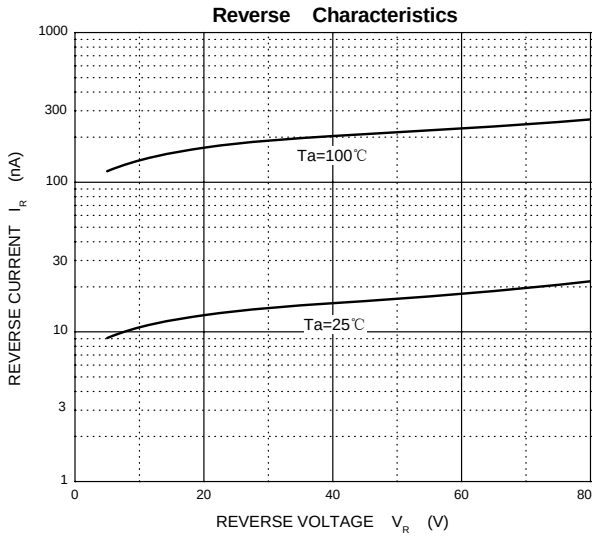
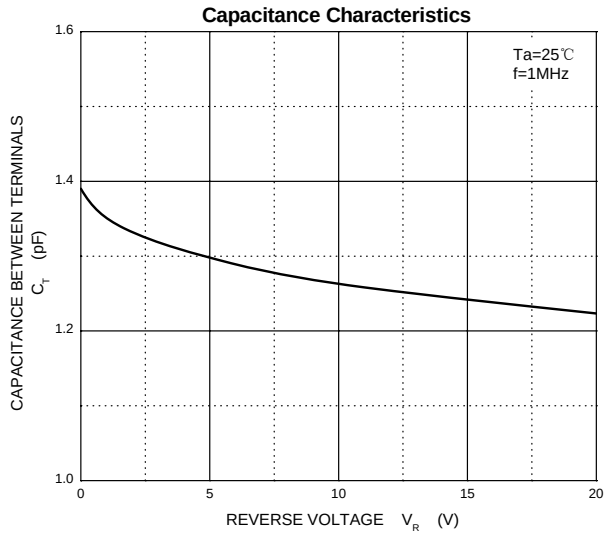
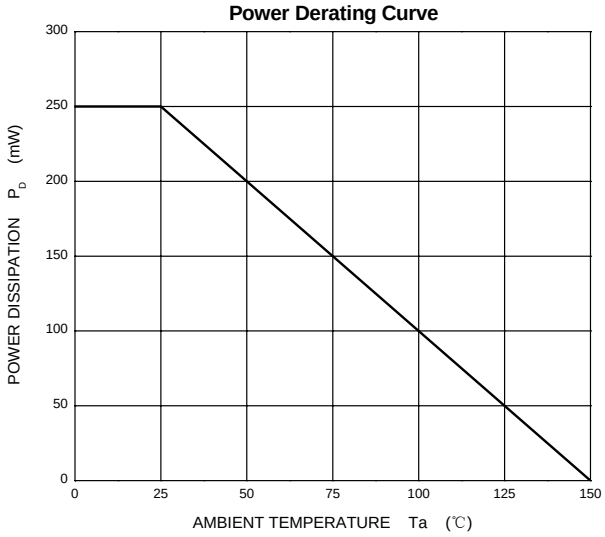
Typical Characteristics









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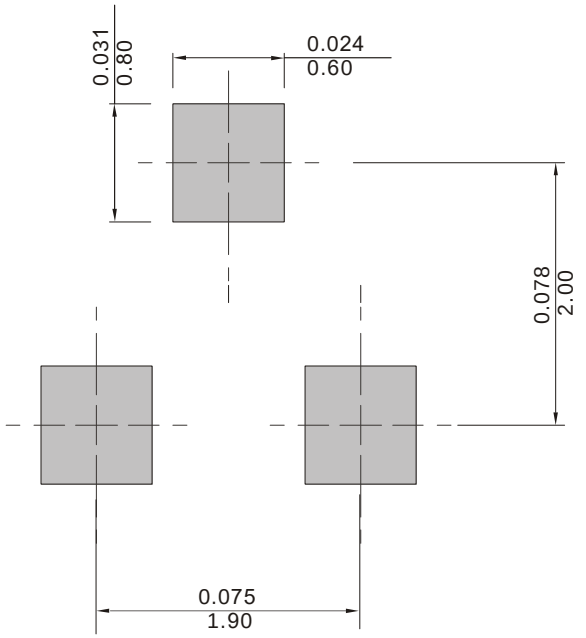
MOUNTING PAD LAYOUT

SOT-23 Unit:Inch(mm)



ORDER INFORMATION

• Packing information

Part Number	Case	Reel Size	QUANTITY
DAN202	SOT-23	7 Inch	3000