

## Surface mount switching diode

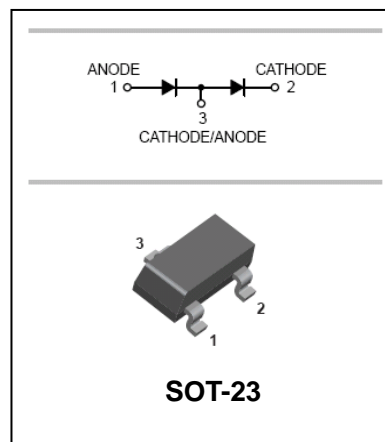
## DAN217

### FEATURES

- Small surface mounting type.
- Two diode elements are connected in series.



Lead-free



### APPLICATIONS

- High speed switching application.

### ORDERING INFORMATION

Type No.	Marking	Package Code
DAN217	BA1	SOT-23

### MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Peak Reverse Voltage	$V_{RM}$	80	V
DC Reverse Voltage	$V_R$	80	V
Maximum (peak)forward Current	$I_{FM}$	300	mA
Forward Continuous Current	$I_o$	100	mA
Surge Current (1μs)	$I_{FSM}$	4000	mA
Power Dissipation	$P_d$	200	mW
Operating Junction Temperature Range	$T_j$	150	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C

### ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Min	MAX	UNIT	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	80		V	$I_R=100\mu A$
Forward Voltage	$V_F$		1.2	V	$I_F=100mA$
Reverse Leakage Current	$I_R$		0.1	μA	$V_R=70V$

Surface mount switching diode

**DAN217**

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

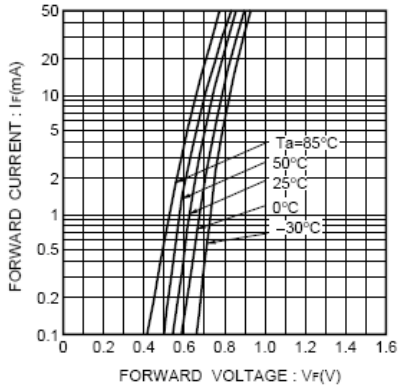


Fig.1 Forward characteristics

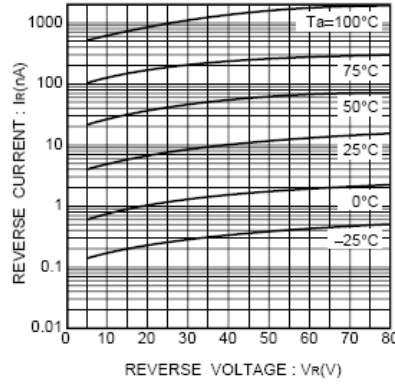


Fig.2 Reverse characteristics

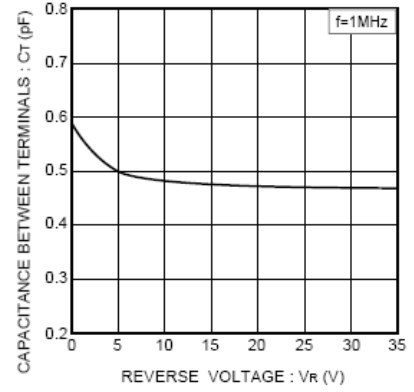
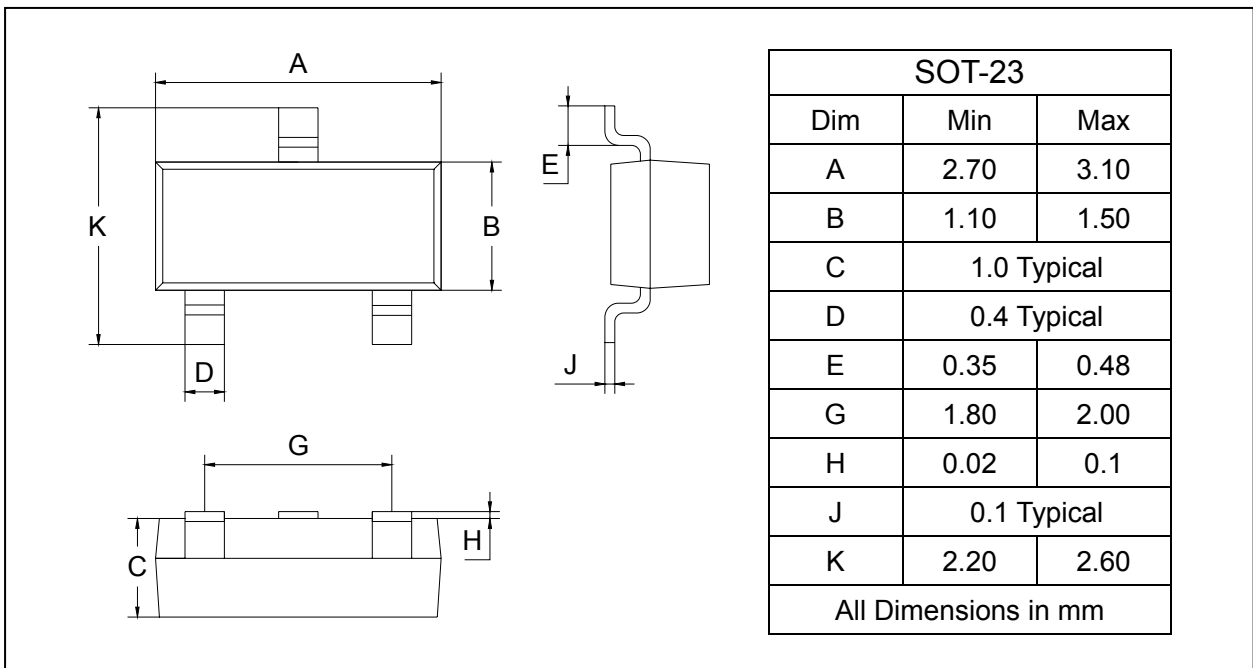


Fig.3 Capacitance between terminals characteristics

PACKAGE OUTLINE

Plastic surface mounted package

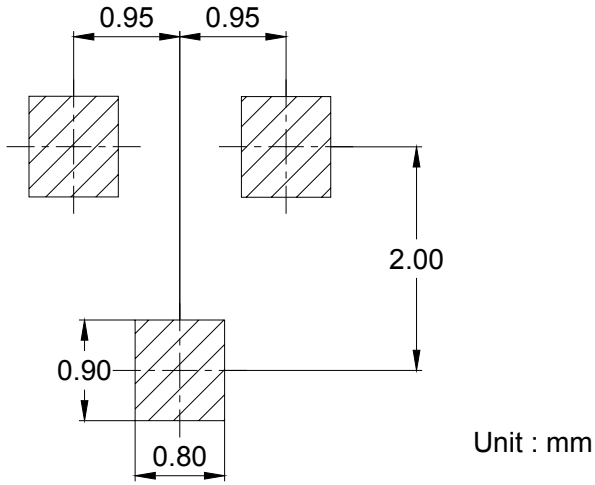
SOT-23



Surface mount switching diode

**DAN217**

SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
DAN217	SOT-23	3000/Tape&Reel