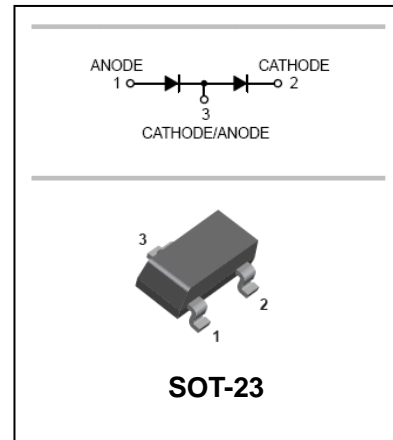


Surface mount switching diode

**DAN217**

**FEATURES**

- Small surface mounting type.(UMD3,SMD3).
- Two diode elements are connected in series.



**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 +125	°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

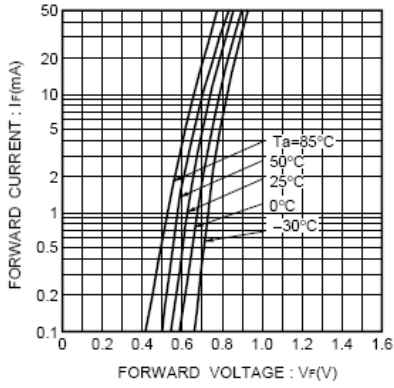


Fig.4 Forward characteristics

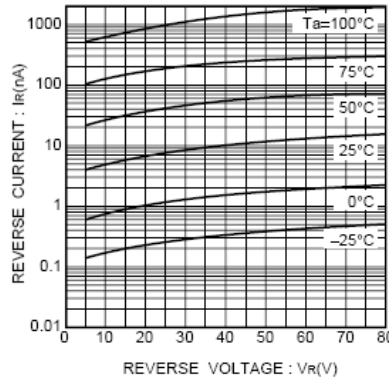


Fig.5 Reverse characteristics

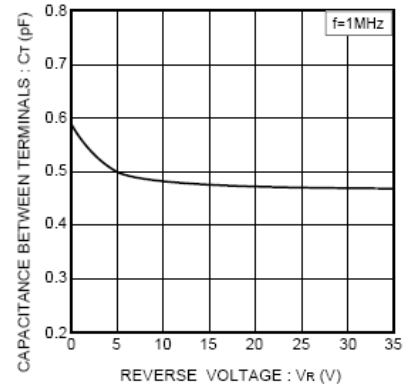


Fig.6 Capacitance between terminals characteristics

PACKAGE OUTLINE

Plastic surface mounted package

SOT-23

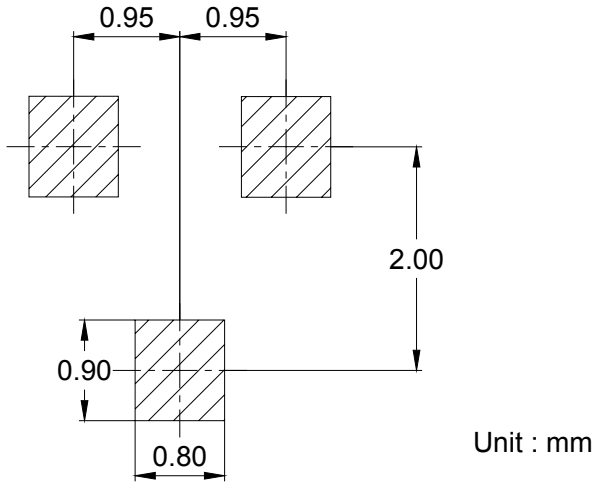
The drawing shows three views of the SOT-23 package: a top view with dimensions A (width) and B (height), a side view with dimensions C (height), D (lead width), E (lead height), G (lead spacing), and H (lead thickness), and a bottom view with dimension J (lead length).

SOT-23		
Dim	Min	Max
A	2.70	3.10
B	1.10	1.50
C	1.0 Typical	
D	0.4 Typical	
E	0.35	0.48
G	1.80	2.00
H	0.02	0.1
J	0.1 Typical	
K	2.20	2.60
All Dimensions in mm		

Surface mount switching diode

**DAN217**

**SOLDERING FOOTPRINT**



**PACKAGE INFORMATION**

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

[www.s-manuals.com](http://www.s-manuals.com)