

Dual series switching diode

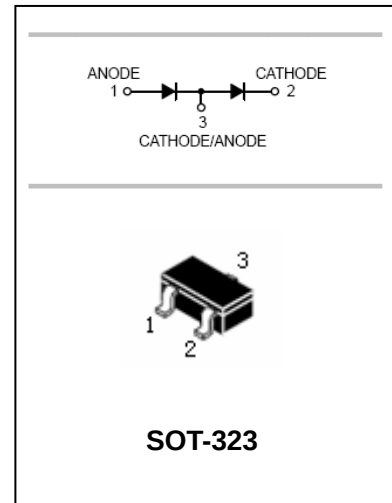
DAN217U

FEATURES

- Fast switching speed.
- Small surface mounting type.
- Two diode elements are connected in series.
- Surface mount package ideally suited for automatic insertion.



Lead-free



APPLICATIONS

- For general purpose switching application.

ORDERING INFORMATION

Type No.	Marking	Package Code
DAN217U	A7	SOT-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Non repetitive peak reverse voltage	V_{RM}	80	V
Repetitive peak reverse voltage Working peak reverse voltage DC Reverse voltage	V_{RRM} V_{RWM} V_R	80	V
Peak forward surge current @t=10ms	I_{FSM}	1	A
Forward continuous current	I_{FM}	300	mA
Average rectified output current	I_O	100	mA
Power dissipation	P_d	200	mW
Operating and storage temperature range	T_j, T_{STG}	-55 to +125	°C

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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	$I_F=100mA$		1200	mV

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

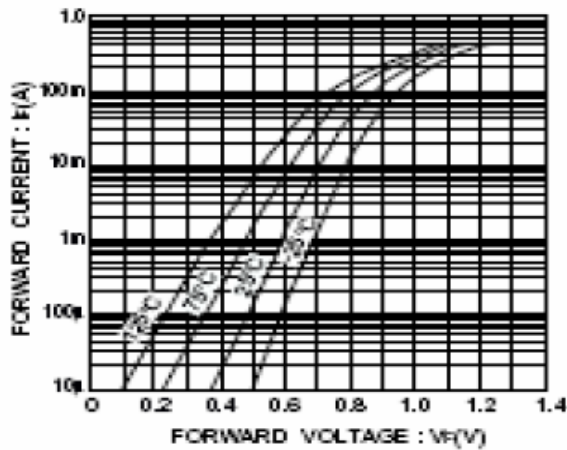


Fig.1 Forward characteristics

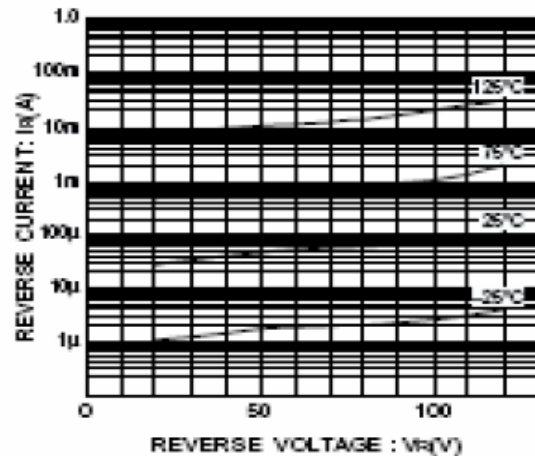


Fig.2 Reverse characteristics

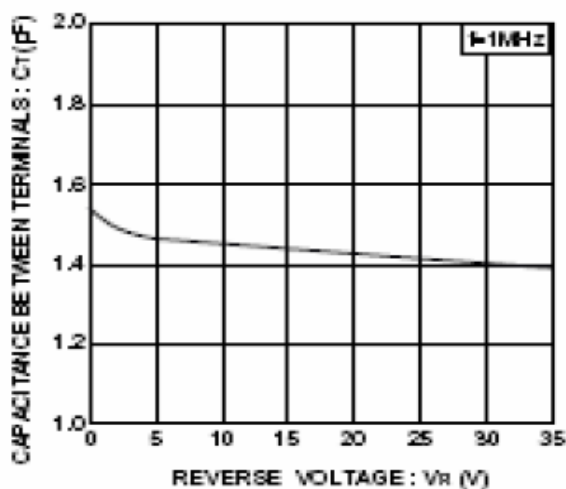


Fig.3 Capacitance between terminals characteristics



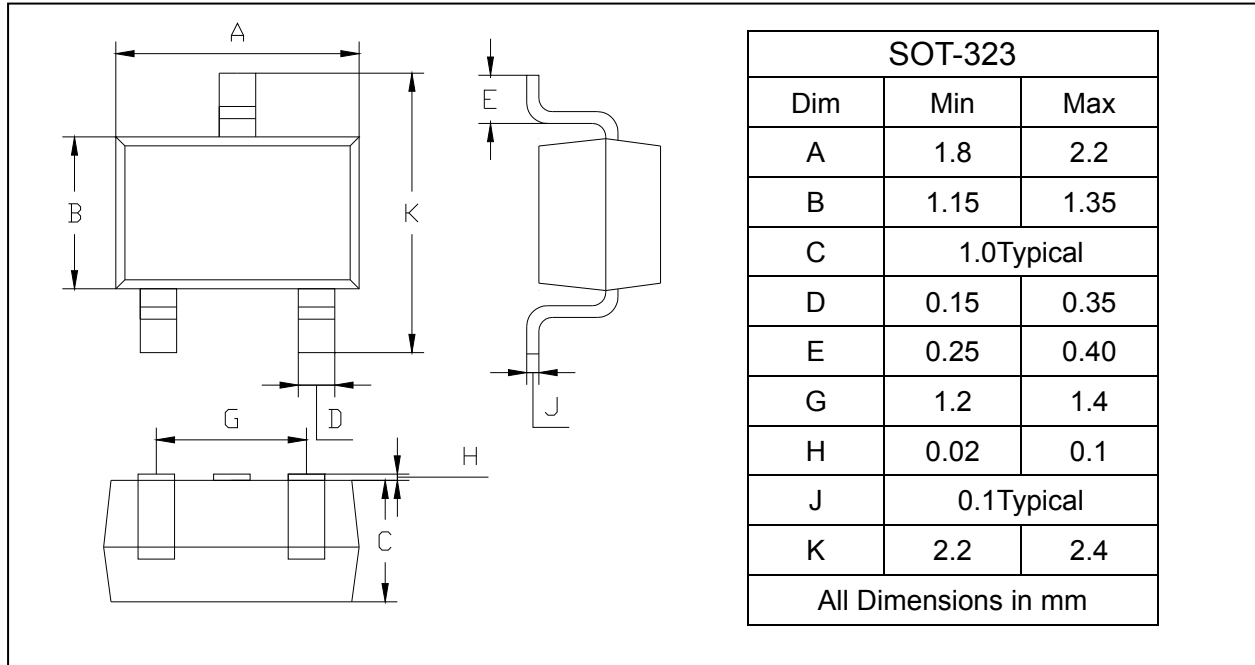
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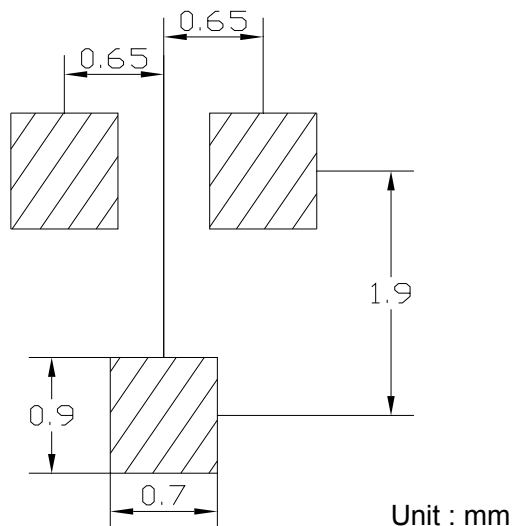
PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
DAN217U	SOT-323	3000/Tape&Reel