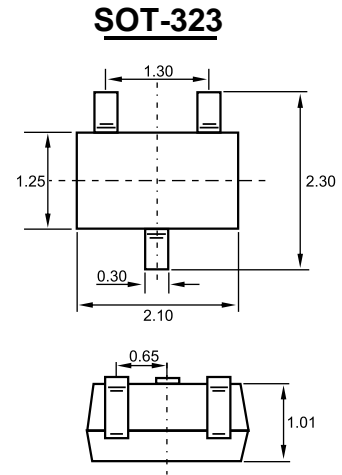


Features

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

Applications

- ✧ For general purpose switching application.



Dimensions in inches and (millimeters)

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	V_{RRM}	80	V
Working peak reverse voltage	V_{RWM}		
DC Reverse voltage	V_R		
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}	-55-125	°C

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

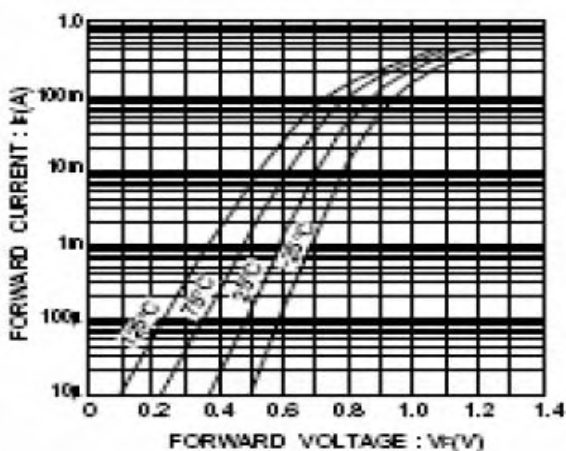


Fig.1 Forward characteristics

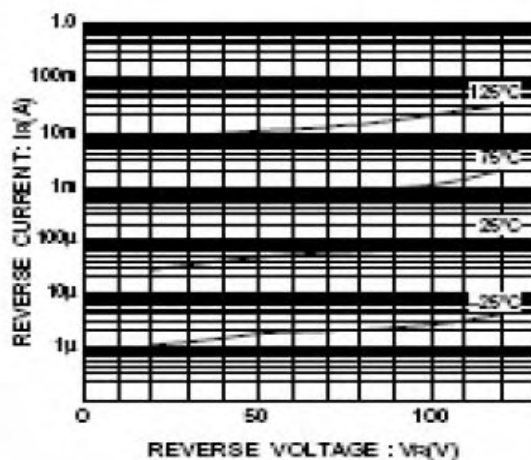


Fig.2 Reverse characteristics

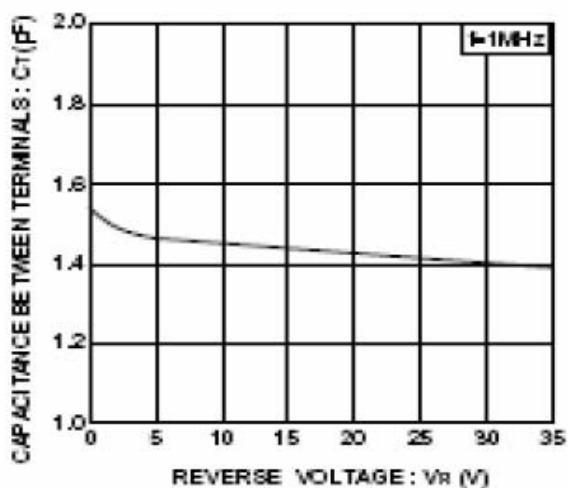


Fig.3 Capacitance between terminals characteristics