



## SOT-323 Plastic-Encapsulate Diodes

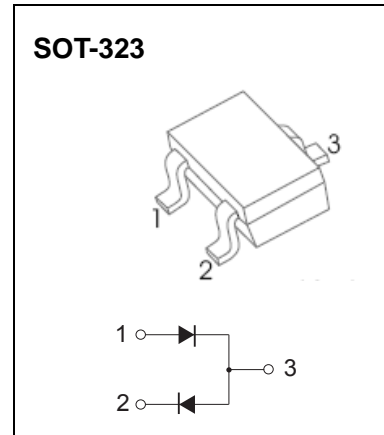
### DAN217U

SWITCHING DIODE

### FEATURES

- Small surface mounting type
- Two diode elements are connected in series
- **Pb-Free package is available**  
RoHS product for packing code suffix "G"  
Halogen free product for packing code suffix "H"
- **Moisture Sensitivity Level 1**

MARKING:A7



### Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25 °C

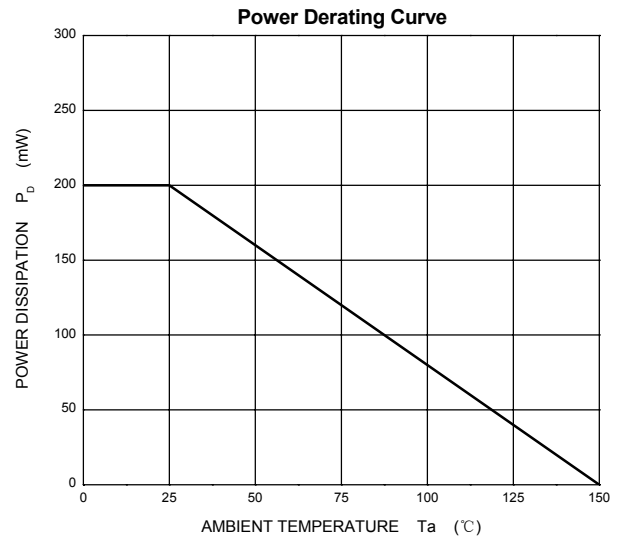
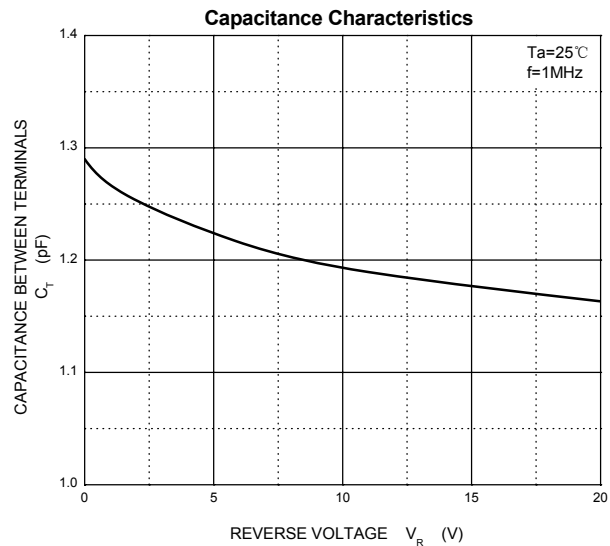
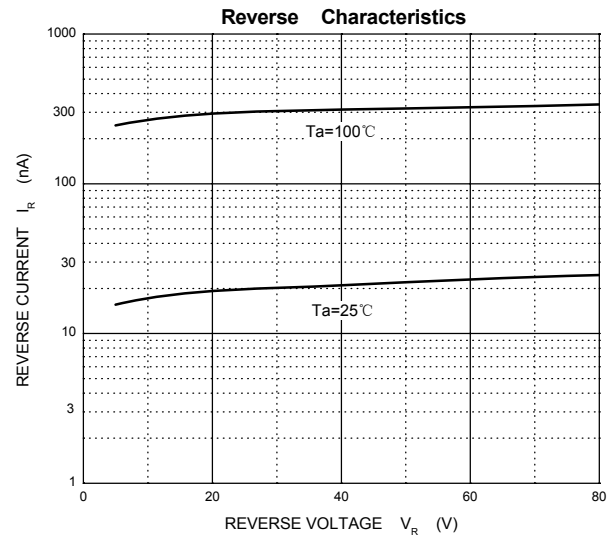
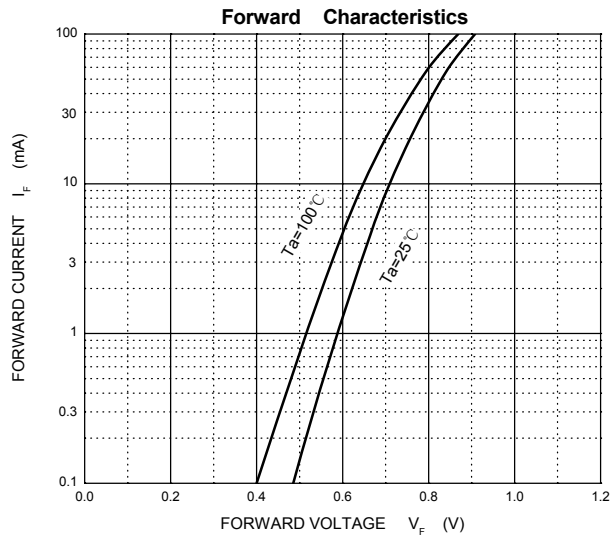
Parameter	Symbol	Limit	Unit
Peak reverse voltage	$V_{RM}$	80	V
DC reverse voltage	$V_R$	80	V
Maximum (peak) forward current	$I_{FM}$	300	mA
Average forward current	$I_o$	100	mA
Surge current (1µs) (10ms)	$I_{FSM}$	400 1000	mA
Power dissipation	$P_D$	200	mW
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55~+150	°C
Operating temperature range	$T_{opr}$	-40~+100	°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	$I_R$	$V_R=70V$		0.2	µA
Forward voltage	$V_F$	$I_F=100mA$		1200	mV



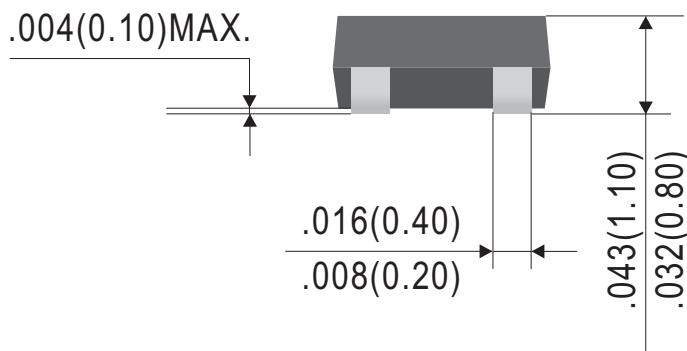
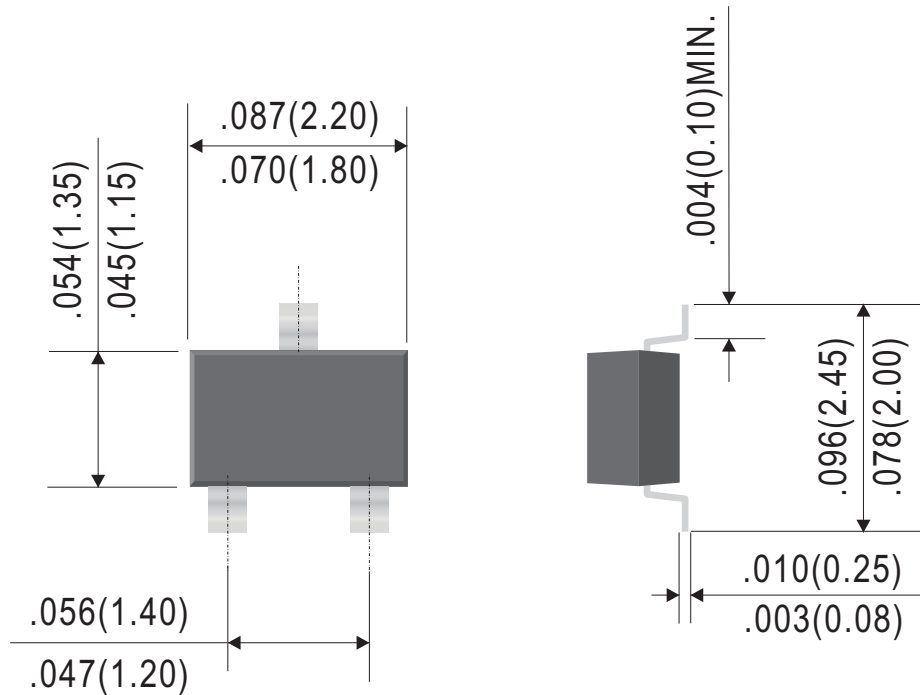
### Typical Characteristics





# Outline Drawing

# SOT-323



Dimensions in inches and (millimeters)