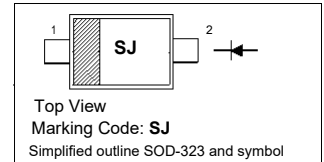


1N6263WS Surface Mount Schottky Barrier Diodes

Features

- Low forward voltage
- Low reverse capacitance

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit	
Peak Repetitive Reverse Voltage	V_{RRM}	60	V	
Reverse Voltage	V_R	60	V	
Forward Continuous Current	I_{FM}	15	mA	
Power Dissipation	P_d	200	mW	
Non-Repetitive Peak Forward Surge Current	I_{FSM}	at $t = 1\text{ s}$	50	mA
		at $t = 10\ \mu\text{s}$	2	A
Operating and Storage Temperature Range	T_j, T_{stg}	- 65 to + 125	$^\circ\text{C}$	

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10\ \mu\text{A}$	$V_{(BR)R}$	60	-	V
Forward Voltage at $I_F = 1\text{ mA}$ at $I_F = 15\text{ mA}$	V_F	-	0.41	V
		-	1	
Reverse Current at $V_R = 50\text{ V}$	I_R	-	200	nA
Total Capacitance at $V_R = 0\text{ V}, f = 1\text{ MHz}$	C_T	-	2	pF
Reverse Recovery Time at $I_F = I_R = 5\text{ mA}, I_{rr} = 0.1 \times I_R, R_L = 100\ \Omega$	t_{rr}	-	1	ns

Typical Characteristics

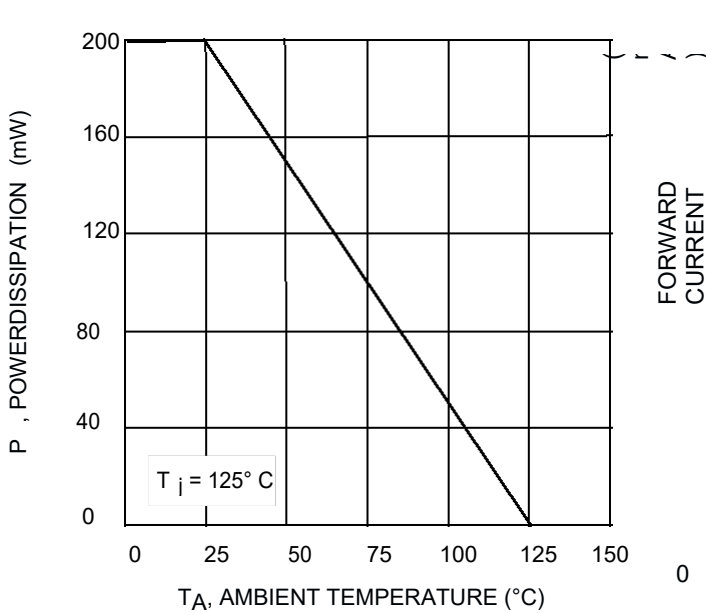


Fig. 1 Power Derating Curve

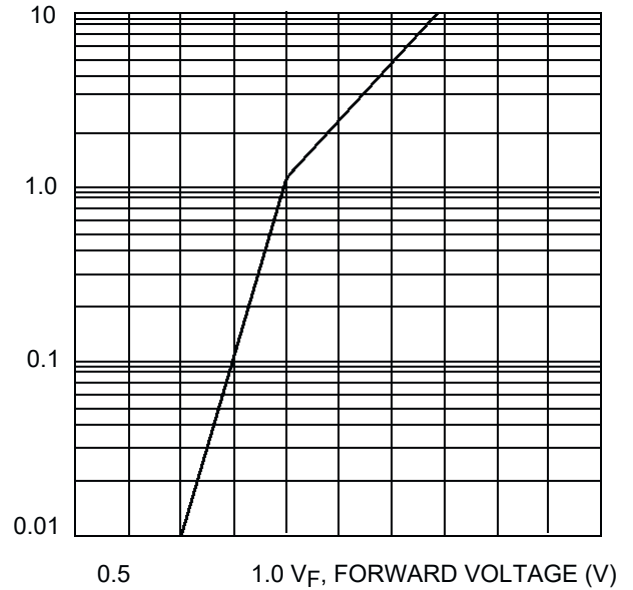


Fig. 2 Typical Forward Characteristics

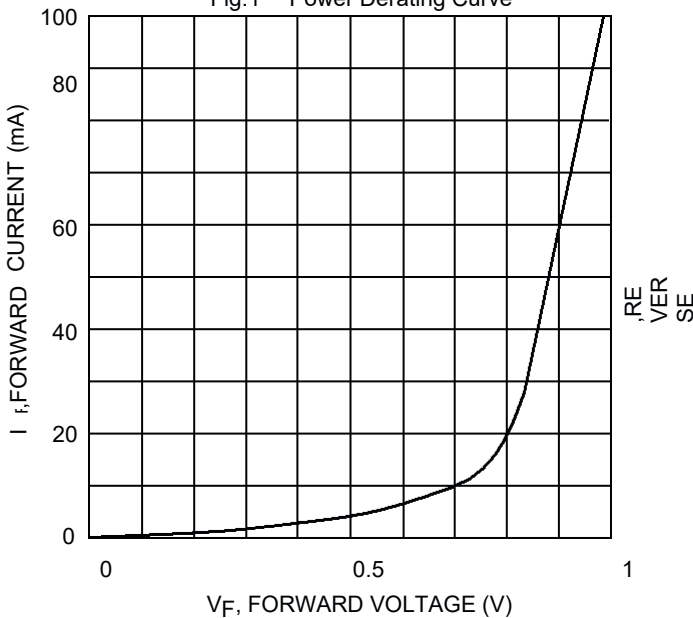


Fig. 3 Typical Forward Characteristics

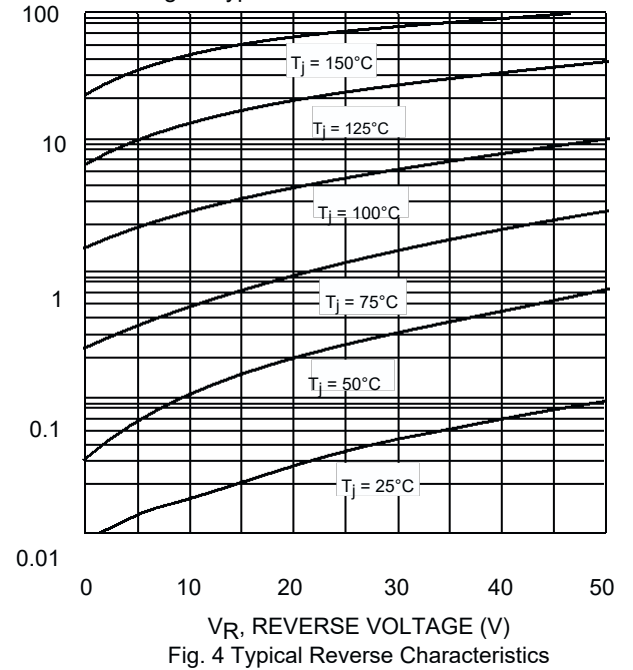


Fig. 4 Typical Reverse Characteristics

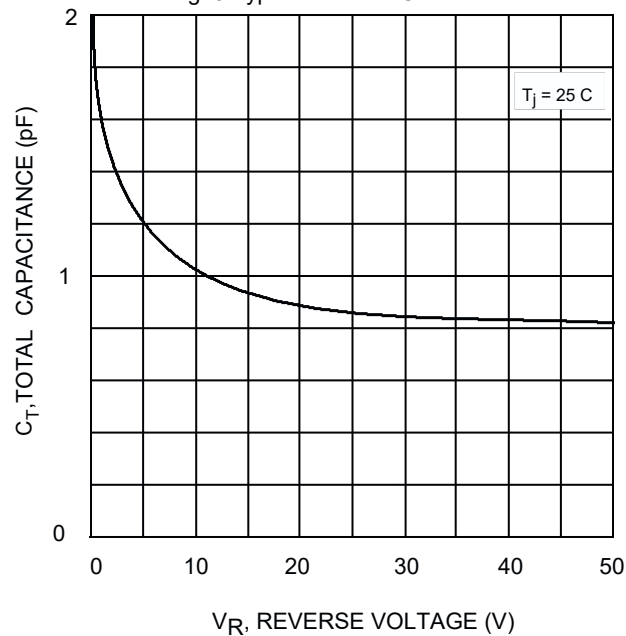


Fig. 5 Typ. Total Capacitance vs Reverse Voltage

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323

