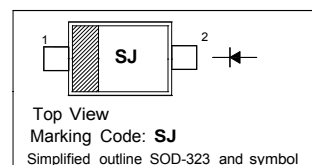


## Surface Mount Schottky Barrier Diodes

### Features

- Low forward voltage
- Low reverse capacitance

PIN	DESCRIPTION
1	Cathode
2	Anode



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

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 $t = 10\text{ }\mu\text{s}$ 2	A
Operating and Storage Temperature Range	$T_j, T_{stg}$	- 65 to + 125	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10\text{ }\mu\text{A}$	$V_{(BR)R}$	60	-	V
Forward Voltage at $I_F = 1\text{ mA}$ at $I_F = 15\text{ mA}$	$V_F$	- -	0.41 1	V
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 $I_F = I_R = 5\text{ mA}, I_{tr} = 0.1X I_R, R_L = 100\text{ }\Omega$	$t_{rr}$	-	1	ns

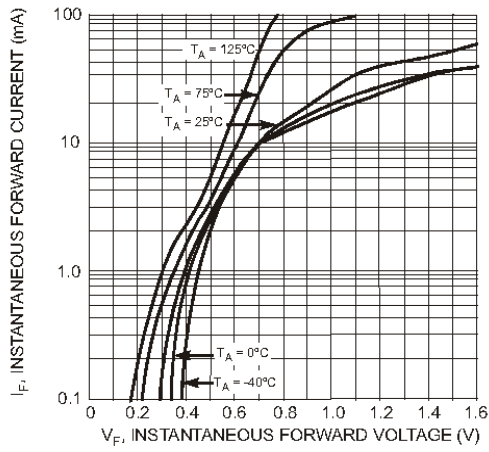


Fig. 1 Typical Forward Characteristics

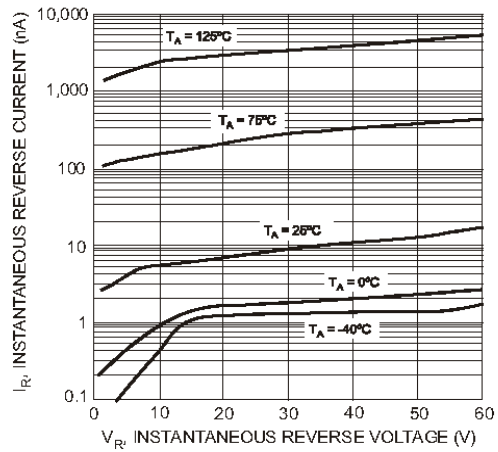


Fig. 2 Typical Reverse Characteristics

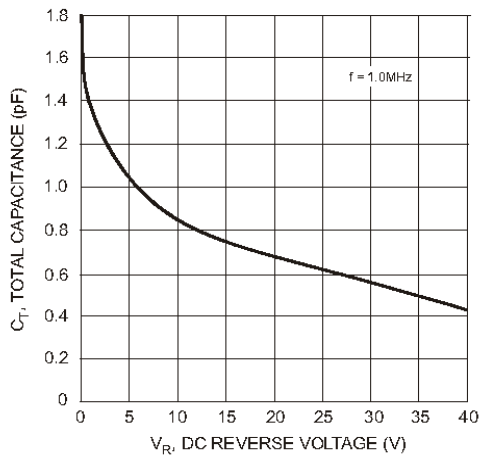


Fig. 3 Total Capacitance vs. Reverse Voltage

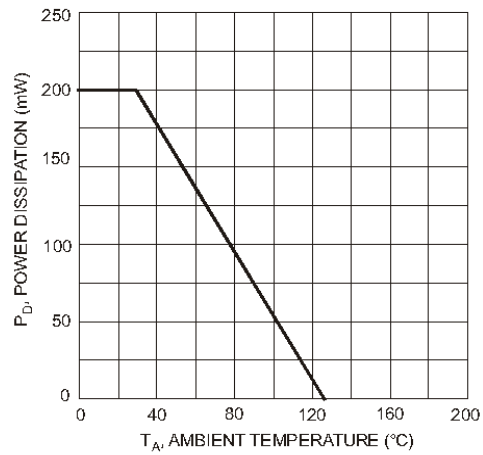


Fig. 4 Power Derating Curve