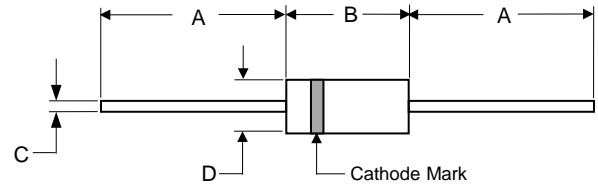


Features

- * Low capacitance
- * Short reverse recovery time
- * High reliability
- * High-speed switching



RoHS
COMPLIANT



DO-34				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1.083	---	27.50	---
B	---	0.114	---	2.90
C	---	0.018	---	0.45
D	---	0.075	---	1.90

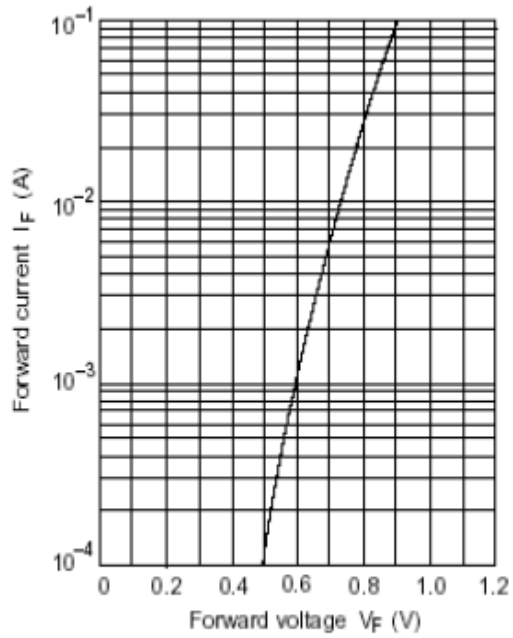
Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	70	V
Reverse Voltage	V_R	60	V
Average Forward Current	$I_{F(AV)}$	150	mA
Peak Forward Current	I_{FM}	450	mA
Non-Repetitive Peak Forward Surge Current (1 s)	I_{FSM}	1	A
Power Dissipation	P_{tot}	250	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	- 65 to + 175	°C

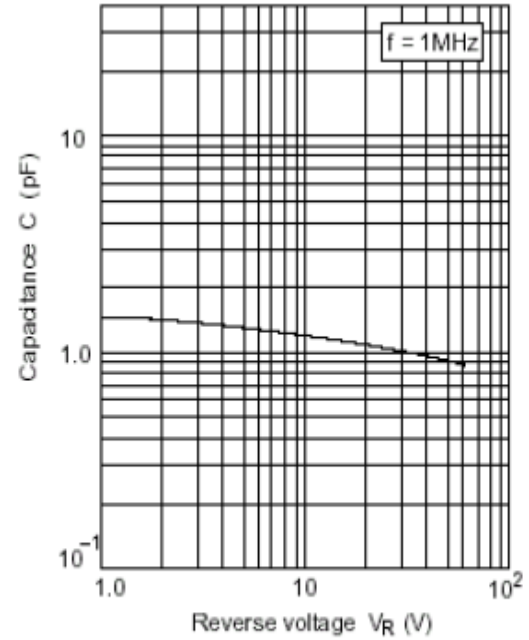
Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10$ mA	V_F	0.8	V
Reverse Current at $V_R = 60$ V	I_R	1	μA
Capacitance between Terminals at $V_R = 1$ V, $f = 1$ MHz	C_T	3	pF
Reverse Recovery Time at $I_F = 10$ mA, $V_R = 6$ V, $R_L = 50$ Ω	t_{rr}	3.5	ns

Ratings and Characteristic Curves



Forward current Vs. Forward voltage



Capacitance Vs. Reverse voltage



1SS270A

Silicon Epitaxial Planar Switching Diode

Ordering Information

Part No.	Package	Packing Code	Packing
1SS270A	DO-34	A50	5000pcs/Ammo

Disclaimer

Specifications of the products displayed herein are subject to change without notice. JGD or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, to any intellectual property rights is granted by this document. Except as provided in JGD's terms and conditions of sale for such products, JGD assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of JGD products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify JGD for any damages resulting from such improper use or sale.