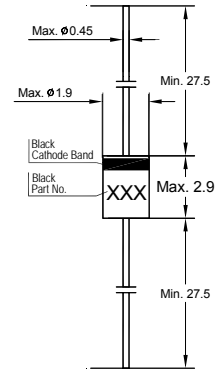


# 1SS265

## HIGH SPEED SWITCHING DIODE

### Features

- Glass sealed envelope
- High speed
- High reliability



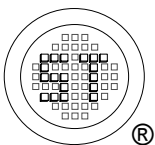
Glass Case DO-34  
Dimensions in mm

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

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	90	V
DC Reverse Voltage	$V_R$	80	V
Mean Rectifying Current	$I_O$	130	mA
Peak Forward Current	$I_{FM}$	400	mA
Surge Current (1 s)	$I_{surge}$	600	mA
Power Dissipation	$P_{tot}$	300	mW
Junction Temperature	$T_j$	175	$^\circ\text{C}$
Storage Temperature Range	$T_s$	- 65 to + 175	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$	$V_F$	1.2	V
Reverse Current at $V_R = 80\text{ V}$	$I_R$	0.5	$\mu\text{A}$
Capacitance at $V_R = 0.5\text{ V}$ , $f = 1\text{ MHz}$	$C_T$	1.5	pF
Reverse Recovery Time at $I_F = 10\text{ mA}$ , $V_R = 6\text{ V}$ , $R_L = 50\text{ }\Omega$	$t_{rr}$	4	ns



**SEMTECH ELECTRONICS LTD.**

(Subsidiary of Sino-Tech International Holdings Limited, a company  
listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002  
Certificate No. 05103



ISO 14001:2004  
Certificate No. 7116



ISO 9001:2000  
Certificate No. 0506098

Dated : 23/06/2007