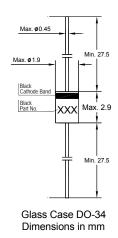
SILICON EPITAXIAL PLANAR DIODE

for high speed switching

Features

- · Low capacitance
- Short reverse recovery time
- High reliability



Absolute Maximum Ratings ($T_a = 25$ °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	70	V
Reverse Voltage	V_R	60	V
Average Forward Current	Io	150	mA
Peak Forward Current	I _{FM}	450	mA
Non-Repetitive Peak Forward Surge Current (1 s)	I _{FSM}	1	А
Power Dissipation	P _{tot}	250	mW
Junction Temperature	T _j	175	°C
Storage Temperature Range	T _s	- 65 to + 175	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I _F = 10 mA	V _F	0.8	V
Reverse Current at $V_R = 60 \text{ V}$	I _R	1	μΑ
Capacitance between Terminals at $V_R = 1 \text{ V}$, $f = 1 \text{ MHz}$	Ст	3	pF
Reverse Recovery Time at I_F = 10 mA, V_R = 6 V, R_L = 50 Ω	t _{rr}	3.5	ns









(Subsidiary of Sino-Tech International Holdings Limited, a company

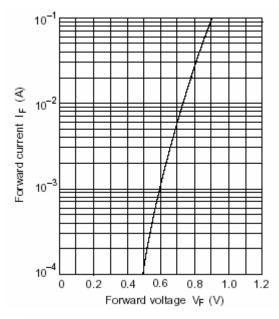


Fig.1 Forward current Vs. Forward voltage

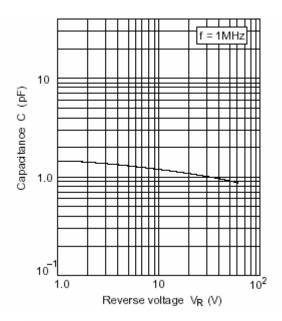


Fig.2 Capacitance Vs. Reverse voltage







