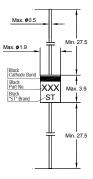
Silicon Epitaxial Planar Switching Diode

for high speed switching circuits

Features

- High switching speed
- Small terminal capacitance
- Large forward current



Glass Case DO-35 Dimensions in mm

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	80	V
Reverse Voltage	V _R	80	V
Average Forward Current	I _{F(AV)}	200	mA
Repetitive Peak Forward Current	I _{FRM}	600	mA
Non-Repetitive Peak Forward Surge Current (at t = 1 s)	I _{FSM}	1	А
Junction Temperature	Tj	175	°C
Storage Temperature Range	T _{stg}	- 65 to + 175	°C

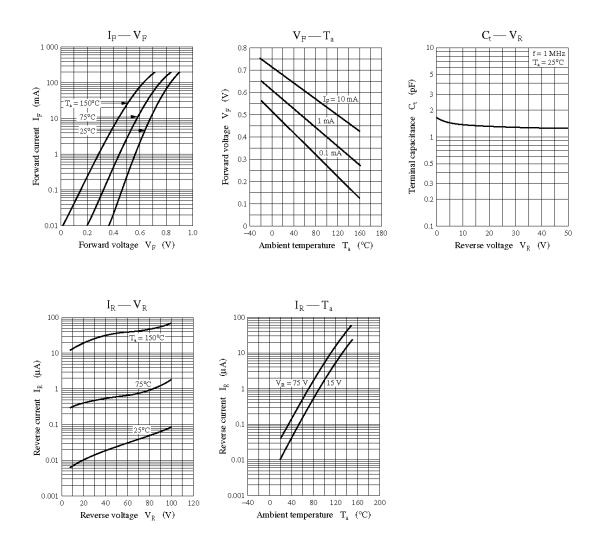
Electrical Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I _F = 200 mA	V _F	1.1	V
Reverse Current at V_R = 15 V at V_R = 75 V	I _R	50 500	nA
Terminal Capacitance at V _R = 0 V, f = 1 MHz	CT	4	pF
Reverse Recovery Time at I _F = 10 mA, I _{rr} = 0.1 I _R , R _L = 100 Ω	t _{rr}	20	ns











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



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