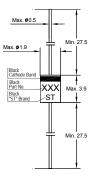
## Silicon Epitaxial Planar Switching Diode

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<sub>a</sub> = 25 °C)

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

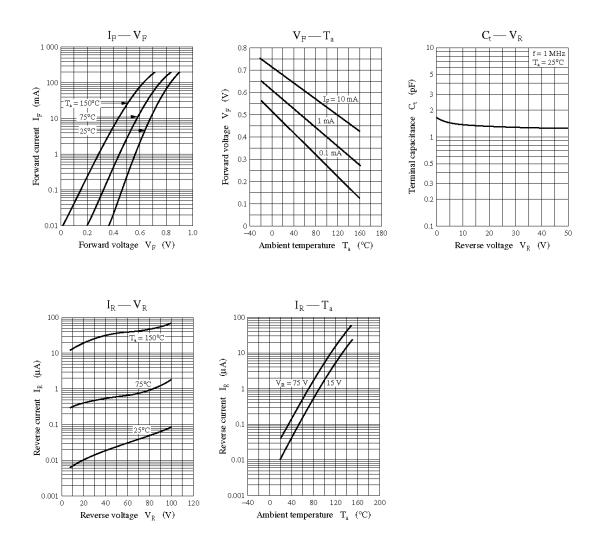
## Electrical Characteristics at T<sub>a</sub> = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I <sub>F</sub> = 200 mA	V <sub>F</sub>	1.1	V
Reverse Current at $V_R$ = 15 V at $V_R$ = 75 V	I <sub>R</sub>	50 500	nA
Terminal Capacitance at V <sub>R</sub> = 0 V, f = 1 MHz	CT	4	pF
Reverse Recovery Time at I <sub>F</sub> = 10 mA, I <sub>rr</sub> = 0.1 I <sub>R</sub> , R <sub>L</sub> = 100 $\Omega$	t <sub>rr</sub>	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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