



# STTH3003CW



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## **Fast Recovery Rectifier**

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## THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
R <sub>th j-c</sub>	Thermal Resistance, Junction to Case	1.05	°C <b>/W</b>

#### ELECTRICAL CHARACTERISTICS(Ta=25°C) (Pulse Test: Pulse Width=300 µ s, Duty Cycle≤2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
VF	Maximum Instantaneous Forward Voltage	I <sub>F</sub> = 15A ;Tj=25°C I <sub>F</sub> = 15A ;Tj=125°C	1.3 1.0	V
IR	Maximum Instantaneous Reverse Current	V <sub>R</sub> = V <sub>RWM;</sub> Tj=25℃ V <sub>R</sub> = V <sub>RWM;</sub> Tj=125℃	40 400	μA
trr	Maximum Reverse Recovery Time	IF= 1A;	40	ns

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