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TO-220F Package

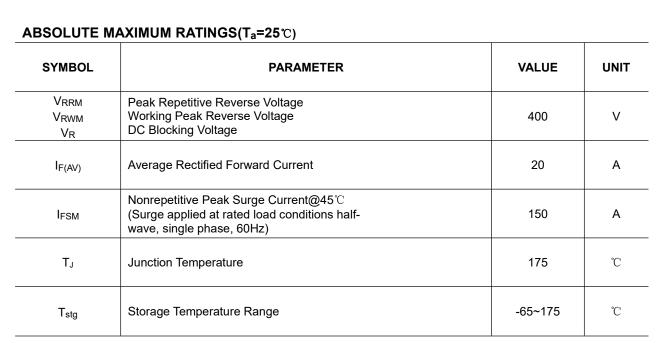
STTH20R04FP

FEATURES

- 400V blocking voltage
- · Very short recovery time
- Soft recovery behaviour
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Power Supply-Output Rectification
- Power Management
- Instrumentation



THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	5.0	°C/W

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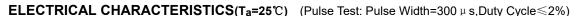


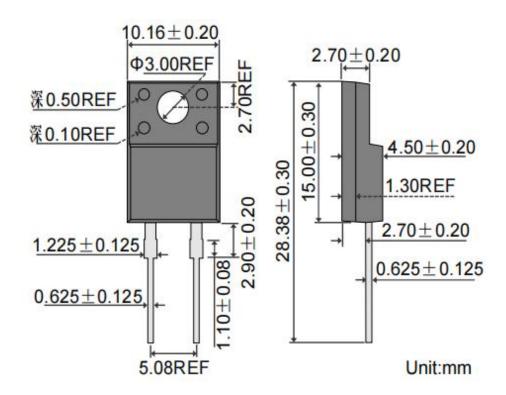
INCHANGE SEMICONDUCTOR

Ultra-fast Rectifier

STTH20R04FP

ELECTRICAL CHARACTERISTICS(T_a=25[°]C) (Pulse Test: Pulse Width=300 μ s,Duty Cycle \leq 2%)						
SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT		
V _{F*}	Maximum Instantaneous Forward Voltage	IF= 20A ;Tj= 25℃ IF= 20A ;Tj= 125℃	1.7 1.35	V		
I _{R*}	Maximum Instantaneous Reverse Current	V _R = V _{RWM} V _R = V _{RWM} ;Tj=125°C	20 200	μA		
trr	Maximum Reverse Recovery Time	I _F = 0.5A, I _R =1.0A,Irr=0.25A	35	ns		





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