

Power Schottky Rectifier - 20Amp 200Volt

Features

- Plastic package has Underwriters Laboratory Flammability Classifications 94V-0
- High Junction Temperature Capability
- Low forward voltage, high current capability
- High surge capacity
- Low power loss, high efficiency

Application

- AC/DC Switching Adaptor and other Switching Power Supply
- PDP(Plasma)

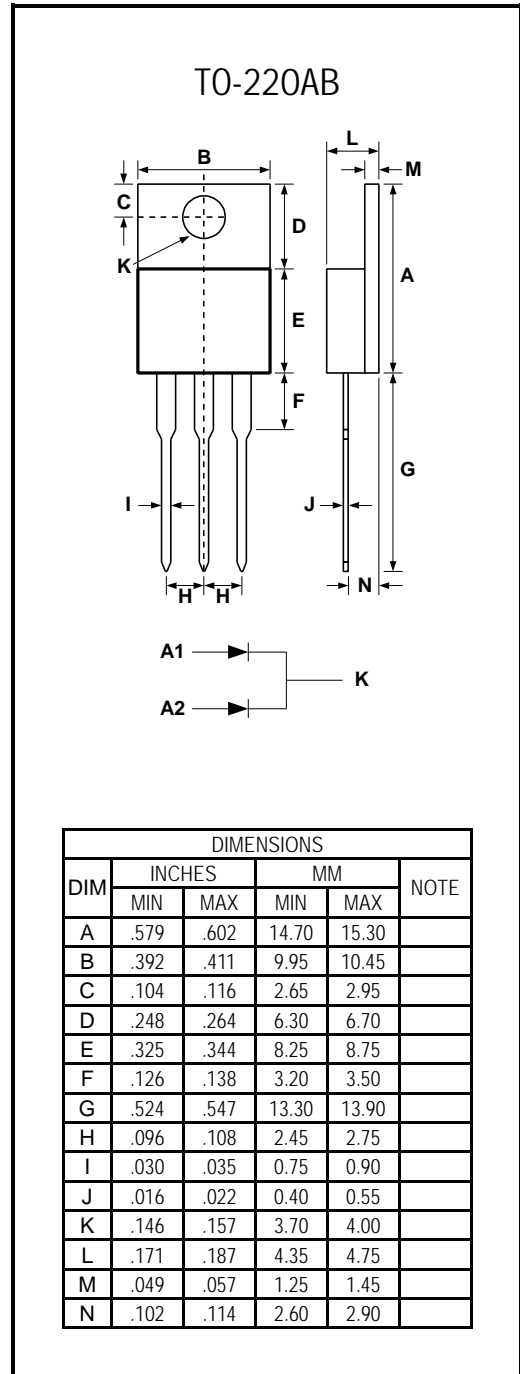
Absolute maximum ratings

Symbol	Ratings	Unit	Conditions
I _{F(AV)}	20	A	At T _c =125°C
V _{RRM}	200	V	Maximum repetitive peak reverse voltage
I _{FSM}	150	A	8.3ms single half sine-wave single shot
V _{F(max)}	0.95	V	At I _F =10A, T _c =25°C
T _j	-50 to +175	°C	
T _{stg}	-50 to +150	°C	

Electrical characteristics

Parameters	Symbol	Ratings	Conditions
Maximum Instantaneous Forward Voltage	V _F	0.95V	T _c =25°C
Forward Voltage		0.80V	T _c =125°C
Maximum Reverse Current At Rated DC Blocking Voltage	I _R	50µA	T _c =25°C
		15mA	T _c =125°C
Voltage Rate of Change	dv/dt	10,000 V/µs	Rated V _R
Typical Thermal Resistance, Junction to Case	R _{th(j-c)}	2.0 °C/W	Per diode

Note: (1)Pulse Test : 380µs pulse width, 2% duty cycle



April 2004

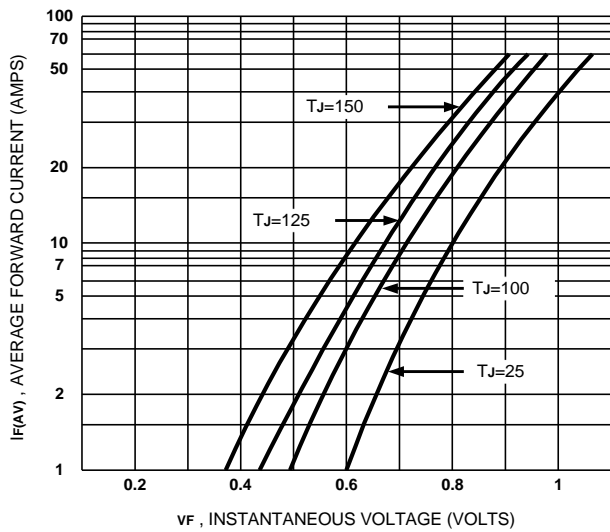


Figure 1. Typical Forward Voltage (Per Leg)

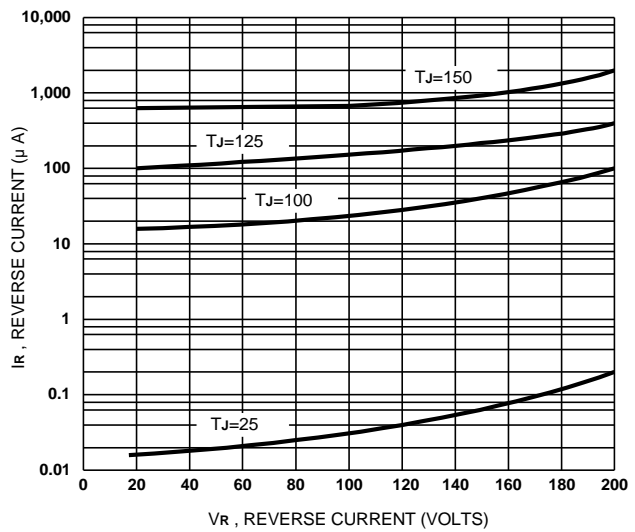


Figure 2. Typical Reverse Current (Per Leg)

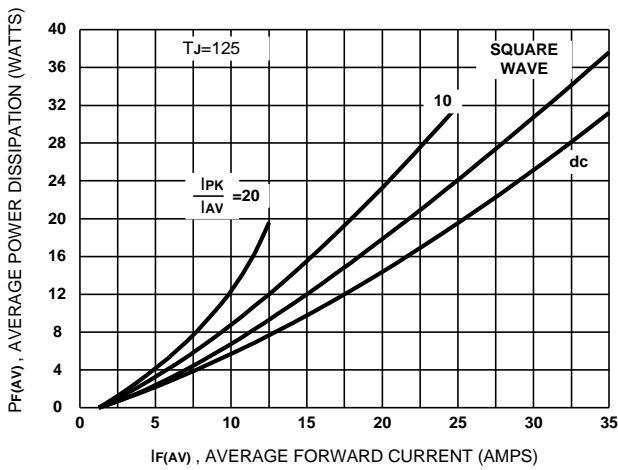


Figure 3. Forward Power Dissipation

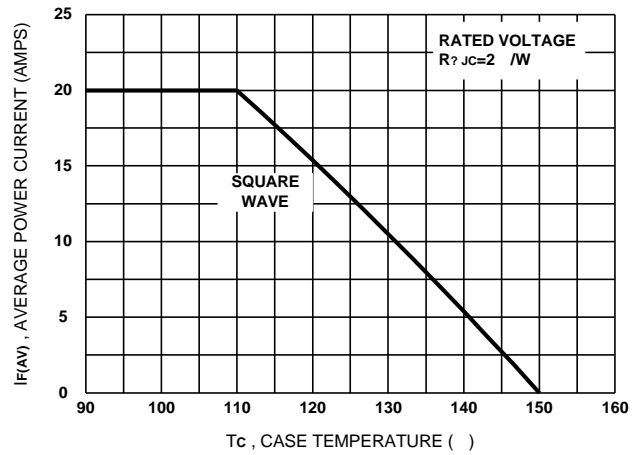


Figure 4. Forward Current Derating, Case

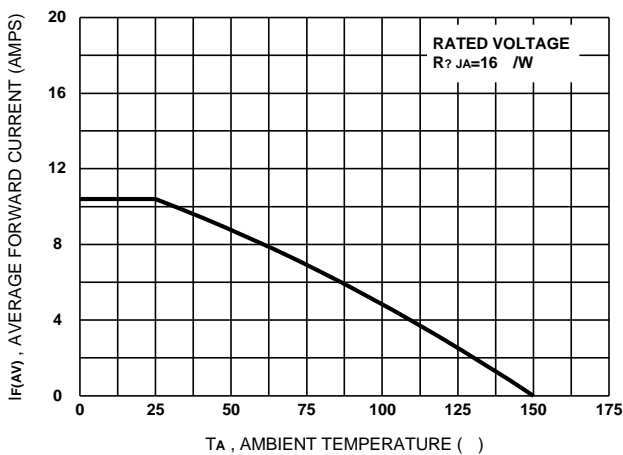


Figure 5. Current Derating, Ambient

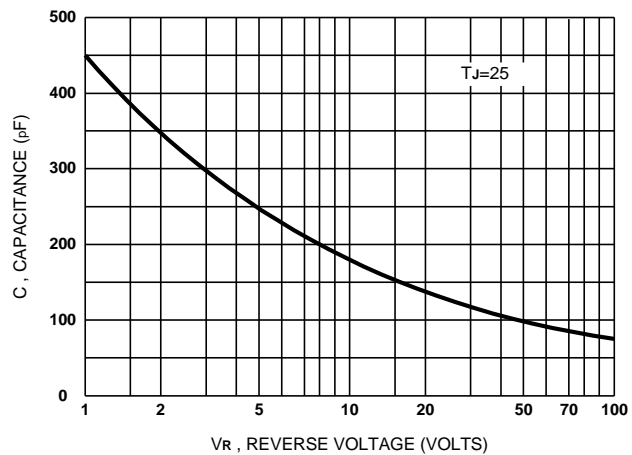


Figure 6. Typical Capacitance (Per Leg)