

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
- ESD performance human body mode > 4 KV

Application

- AC/DC Switching Adaptor and other Switching Power Supply
- PDP

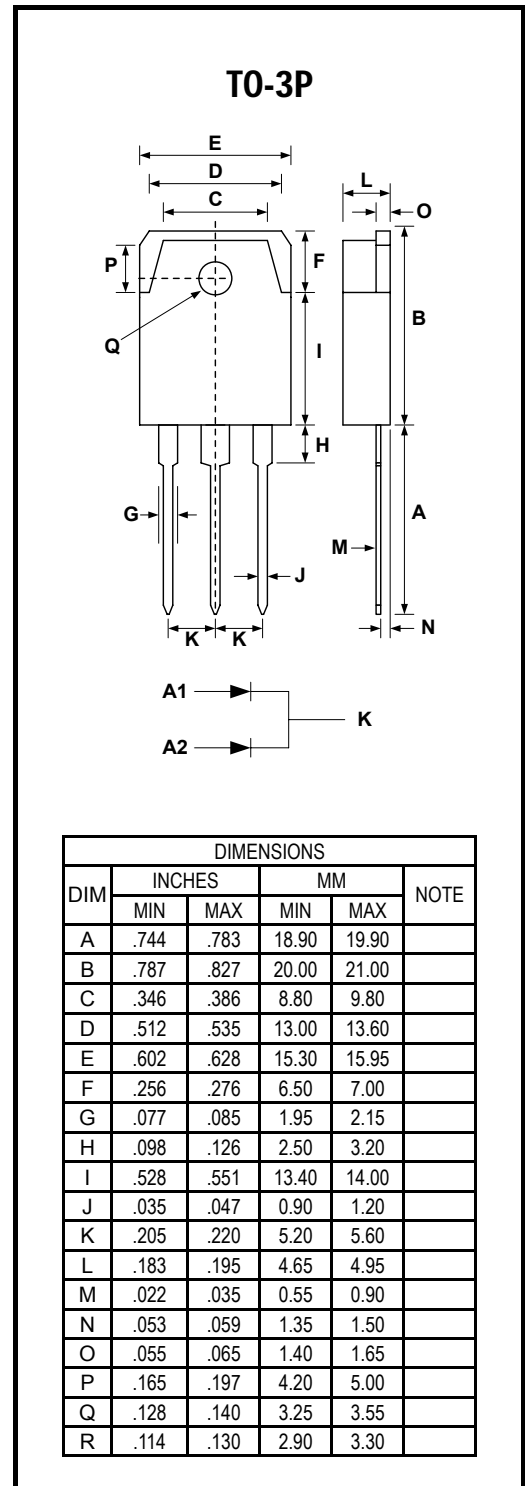
Absolute maximum ratings

Symbol	Ratings	Unit	Conditions
IF(AV)	20	A	Average Forward Current
VRRM	200	V	Repetitive Peak Reverse Voltage
IFSM	150	A	Peak Forward Surge Current
VF(max)	0.72	V	Forward Voltage Drop
Tj	-50 to +175	°C	Operating Temperature
Tstg	-50 to +150	°C	Storage Temperature

Electrical characteristics

Parameters	Symbol	Ratings	Conditions
Maximum Instantaneous Forward Voltage	VF	0.90V	Tc = 25°C
		0.72V	Tc = 125°C
Maximum Reverse Leakage Current	IR	0.01mA	Tc = 25°C
		10mA	Tc = 125°C
Maximum Voltage Rate of Change	dv/dt	10,000 V/μs	Rated VR
Typical Thermal Resistance, Junction to Case	Rθ(j-c)	1.1 °C/W	Per diode

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



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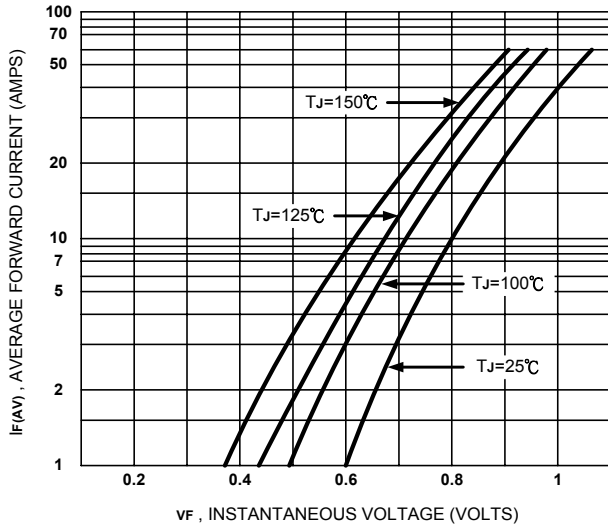


Figure 1. Typical Forward Voltage (Per Leg)

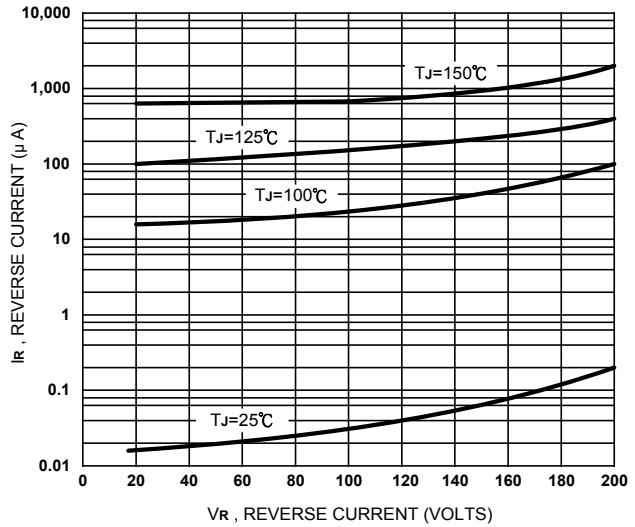


Figure 2. Typical Reverse Current (Per Leg)

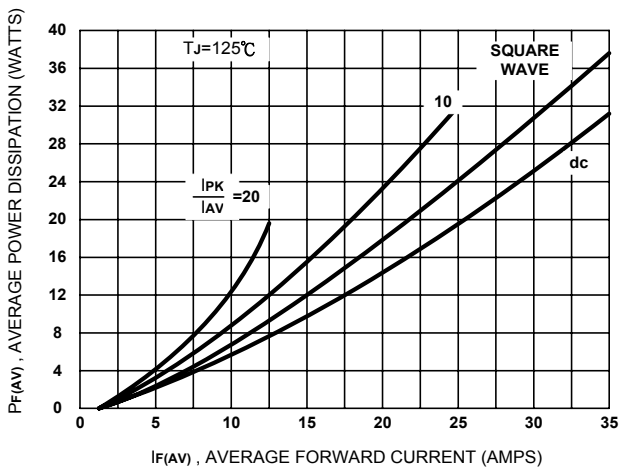


Figure 3. Forward Power Dissipation

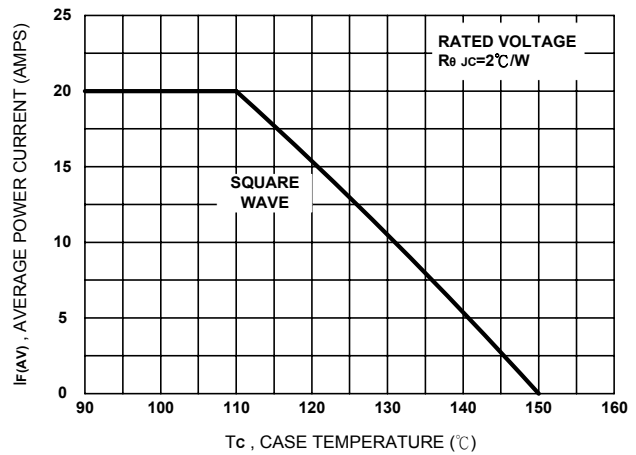


Figure 4. Forward Current Derating, Case

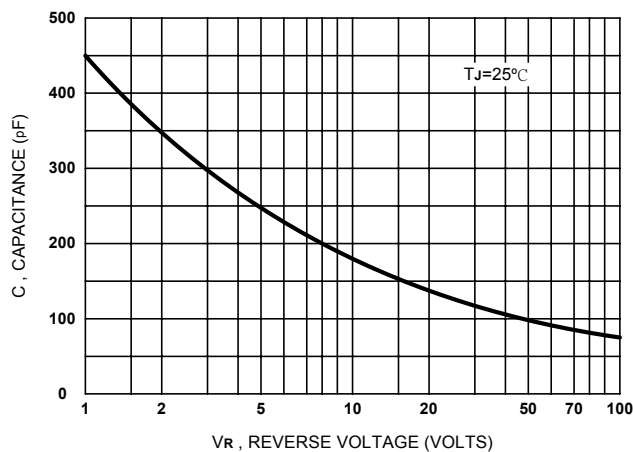


Figure 5. Typical Capacitance (Per Leg)