

Power Schottky Rectifier - 10Amp 100Volt

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 > 8 KV
- Halogen-Free

Application

- AC/DC Switching Adaptor and other Switching Power Supply

Absolute maximum ratings

Symbol	Ratings	Unit	Conditions
IF(AV)	10	A	Average Forward Current
VRRM	100	V	Repetitive Peak Reverse Voltage
IFSM	120	A	Peak Forward Surge Current
VF(max)	0.54	V	Forward Voltage Drop
Tj	-50 to +150	°C	Operating Temperature
Tstg	-50 to +150	°C	Storage Temperature

Electrical characteristics

Parameters	Symbol	Ratings	Conditions
Maximum Instantaneous Forward Voltage	VF	0.72V	Tc = 25°C
Forward Voltage		0.54V	Tc = 125°C
Maximum Reverse Leakage Current	IR	0.05mA	Tc = 25°C
Current		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)	4.5. °C/W	Per diode

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

ITO-220AB

DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.577	.600	14.65	15.25	
B	.386	.406	9.80	10.30	
C	.106	.122	2.70	3.10	
D	.258	.274	6.55	6.95	
E	.315	.331	8.00	8.40	
F	.110	.161	2.80	4.10	
G	.508	.551	12.90	14.00	
H	.089	.106	2.25	2.70	
I	.020	.028	0.50	0.70	
J	.020	.028	0.50	0.70	
K	.120	.138	3.05	3.50	
L	.169	.185	4.30	4.70	
M	.039	.051	1.00	1.30	
N	.079	.112	2.00	2.85	
O	.043	.055	1.10	1.40	

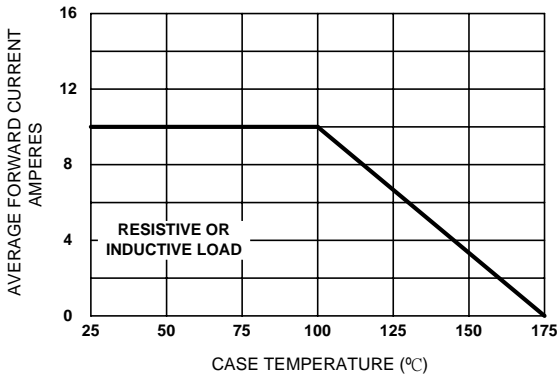


Figure 1. Forward Current Derating Curve

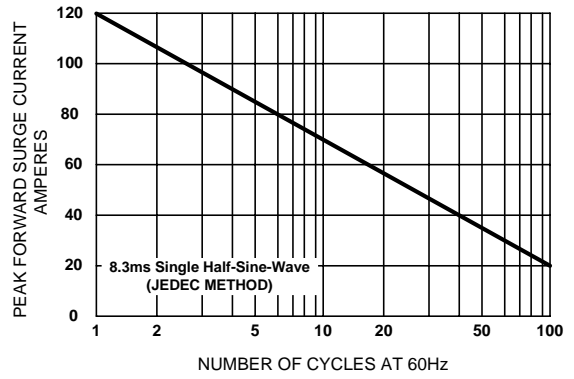


Figure 2. Maximum Non-repetitive Surge Current

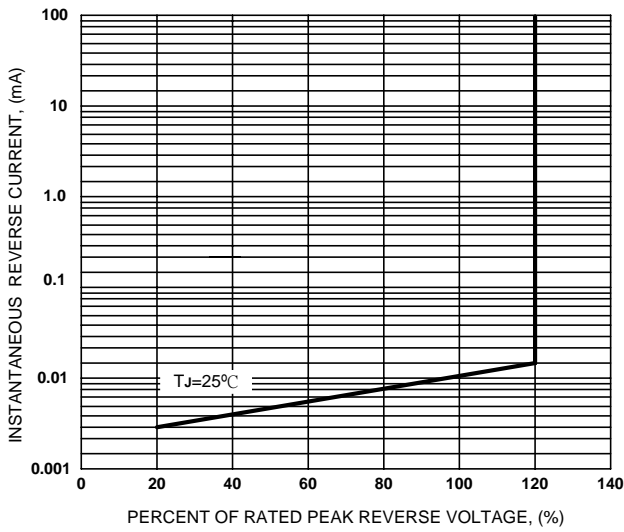


Figure 3. Typical Reverse Characteristics

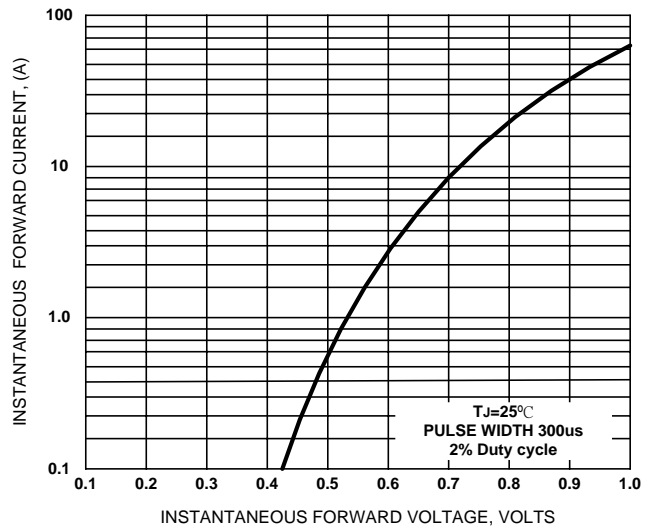


Figure 4. Typical Forward Characteristics

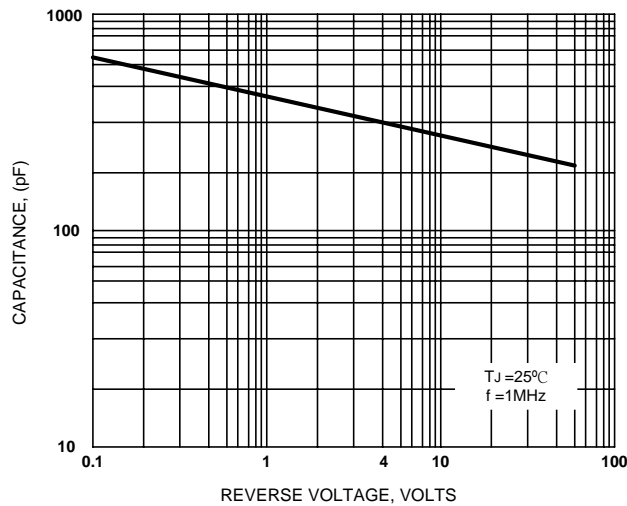


Figure 5. Typical Junction Capacitance