Schottky Barrier Rectifiers

Reverse Voltage - 120 V Forward Current - 40 A

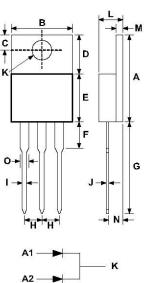
Features

- Plastic package has Underwriters Laboratory Flammability
- 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

TO-220AB



		DIMEN	ISIONS	
DIM	INCHES		MM	
DIM	MIN	MAX	MIN	MAX
А	.579	.606	14.70	15.40
в	.392	.411	9.95	10.45
С	.104	.116	2.65	2.95
D	.248	.272	6.30	6.90
Е	.325	.350	8.25	8.90
F	.126	.157	3.20	4.00
G	.492	.551	12.50	14.00
Н	.096	.108	2.45	2.75
Ĩ	.028	.039	0.70	1.00
J	.010	.022	0.25	0.55
к	.146	.157	3.70	4.00
L	.167	.187	4.25	4.75
М	.045	.057	1.15	1.45
Ν	.089	.114	2.25	2.90
0	.047	.055	1.20	1.40

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load, for capacitive load, derate by 20%.

		i	
Parameter	Symbols	Vaule	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	120	V
Working Peak Reverse Voltage	V _{RWM}	120	V
Maximum DC Blocking Voltage	V _{RM}	120	V
Maximum Average Forward Rectified Current(Per device)	I _{F(AV)}	40	А
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	250	A
Peak Repetitive Reverse Surge Current (2 µS-1 KHZ)	I _{RRM}	1	А
Maximum Forward Voltage per leg at 20 A per leg at 20 A,TJ= 125°C	V _F	0.86 0.71	V
$\begin{array}{llllllllllllllllllllllllllllllllllll$	I _R	100 40	μA mA
Typical Thermal Resistance ¹⁾	R _{eJC}	2	°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	- 40 to + 150	°C

¹⁾ Thermal Resistance from Junction to case per leg.



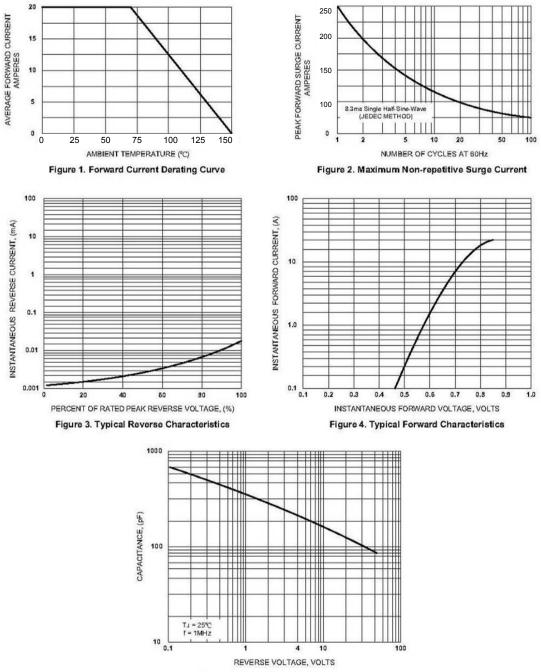


Figure 5. Typical Junction Capacitance

