

VOLTAGE RANGE: 20 - 100V
CURRENT: 3.0 A

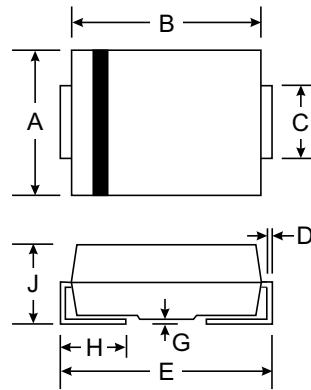
Features

- Schottky Barrier Chip
- Ideally Suited for Automatic Assembly
- Low Power Loss, High Efficiency
- For Use in Low Voltage Application
- Guard Ring Die Construction
- Plastic Case Material has UL Flammability Classification Rating 94V-O



Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)



SMA(DO-214AC)		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		



Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	B320A	B330A	B340A	B350A	B360A	B380A	B390A	B3100A	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	20	30	40	50	60	80	90	100	V
Working Peak Reverse Voltage	V _{VRM}									
DC Blocking Voltage	V _R									
RMS Reverse Voltage	V _{R(RMS)}	14	21	28	35	42	56	64	71	V
Average Rectified Output Current @T _L = 105°C	I _O	3.0								A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	80								A
Forward Voltage @I _F = 2.0A	V _{FM}	0.55			0.70		0.85			V
Peak Reverse Current @T _A = 25°C	I _{RM}	1.0								mA
At Rated DC Blocking Voltage @T _A = 100°C		20								
Typical Thermal Resistance (Note 1)	R _{θJL}	10								°C/W
	R _{θJA}	50								
Operating Temperature Range	T _j	-65 to +125								°C
Storage Temperature Range	T _{STG}	-65 to +150								°C

RATINGS AND CHARACTERISTIC CURVES B320A THRU B3100A

