

MBRS340

Features

- Compact surface mount with J-bend leads (SMC)
- 3.0 Watt Power Dissipation package
- 3.0 Ampere, forward voltage less than 500 mV



SMC (D0-214AB) Color Band Denote Cathode Mark: B34

Schottky Rectifier

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
I _{F(AV)}	Average Rectified Forward Current $@T_L = 100^{\circ}C$ $T_1 = 90^{\circ}C$	3.0 4.0	A A
I _{FSM}	Non-repetitive Peak Forward Surge Current (Half wave, single phase, 60 Hz)	80	A
T _{stg}	Storage Temperature Range	-65 to +150	°C
Tj	Operating Junction Temperature	-65 to +125	°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

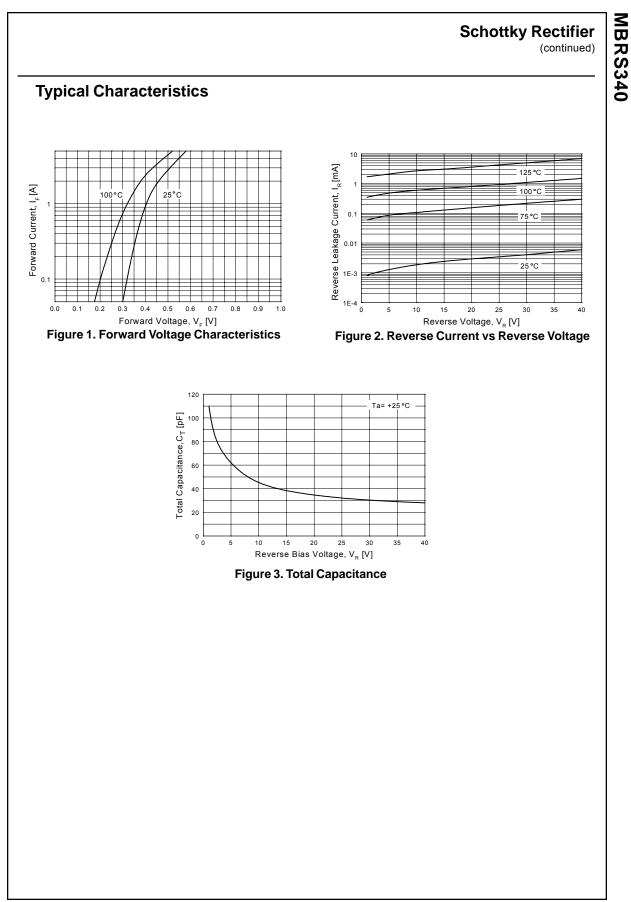
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{_{ extsf{ hetaJL}}}$	Thermal Resistance, Junction to Lead	11	°C/W

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter		Value	Units
V _F	Forward Voltage	@ I _F = 3.0A	525	mV
I _R	Reverse Current	@ V _R = 40 V V _R = 40 V, T _A = 100 °C	2.0 20	mA mA

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MBRS340, Rev. B

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