

FBR130 Schottky Rectifier

Features

- 1 Ampere, low forward voltage, less than 500mV
- · Compact surface mount package with the same footprint as mini-melf
- Maximum package height of 0.8mm.

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SOD-123F Color Band Denotes Cathode Mark: 130

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

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage 30		V
I _{F(AV)}	Average Rectified Forward Current 1		A
I _{FSM}	Non Repetitive Peak Forward Current 5.5 (Surge applied at rated load conditions half wave, single, phase, 60Hz) 5.5		A
T _{STG}	Storage Temperature Range	-65 to +150	٥C
T _{Jmax}	Operating Junction Temperature -65 to +125 °C		°C

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

Thermal Characteristics

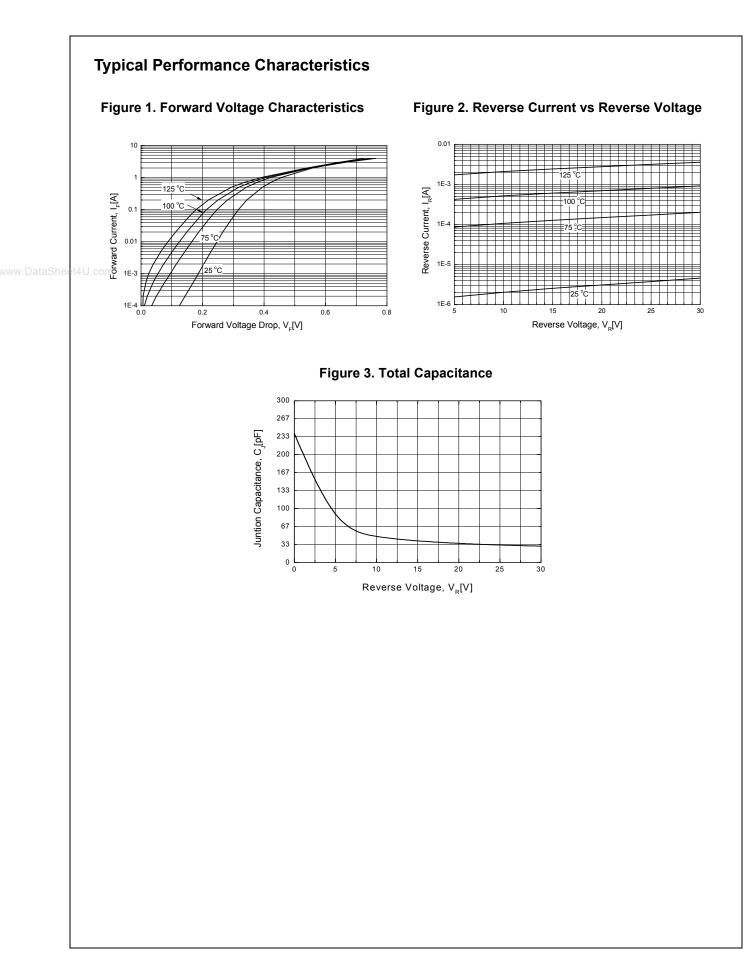
Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction to Ambient *	73	°C/W
$R_{ ext{ hetaJL}}$	Thermal Resistance, Junction to Lead * 23 °C/V		°C/W

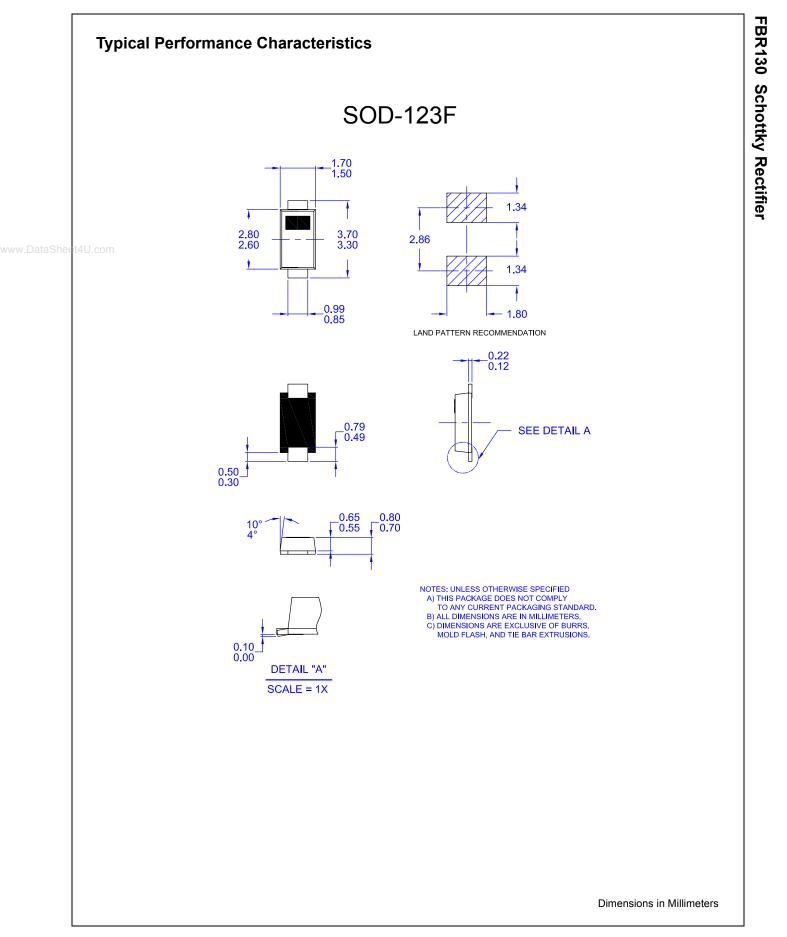
* FR-4 = $3.0 \times 5.5 \times 0.062$ " using 1.0×0.5 " land pads.

Electrical Characteristics T_C = 25°C unless otherwise noted

Symbol	Parameter		Value	Units
V _F	Forward Voltage	@ I _F = 500mA I _F = 1000mA	0.45 0.5	V V
I _R	Reverse Current	@V _R = 15V V _R = 30V	100 200	μΑ μΑ

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Definition of Terms

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