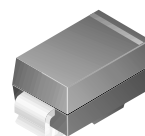


FMKA130L

Features

- Compact surface mount with J-bend leads (SMA)
- 1.2 Watt Power Dissipation package
- 1.0 Ampere, forward voltage less than 600 mV



SMA (DO-214AC)
Color Band Denotes Cathode
Mark: A130

Schottky Rectifier

Absolute Maximum Ratings*

$T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Repetitive Reverse Voltage	30	V
$I_{F(AV)}$	Average Rectified Forward Current @ $T_L = 120^\circ\text{C}$	1.0	A
I_{FSM}	Non-repetitive Peak Forward Surge Current	30	A
T_{stg}	Storage Temperature Range	-65 to +150	$^\circ\text{C}$
T_j	Operating Junction Temperature	-65 to +125	$^\circ\text{C}$

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

Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JL}$	Thermal Resistance Junction to Lead (Half wave, single phase, 60 Hz)	9.6	$^\circ\text{C}/\text{W}$

Electrical Characteristics

$T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
V_F	Forward Voltage @ $I_F = 1.0\text{A}$	410	mV
		$I_F = 1.0\text{A}, T_A = 85^\circ\text{C}$	mV
		$I_F = 2.0\text{A}$	mV
		$I_F = 2.0\text{A}, T_A = 85^\circ\text{C}$	mV
I_R	Reverse Current @ $V_R = 15\text{V}$	400	μA
		$V_R = 15\text{V}, T_A = 85^\circ\text{C}$	mA
		$V_R = 30\text{V}$	mA
		$V_R = 30\text{V}, T_A = 85^\circ\text{C}$	mA

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CoolFET™	FASTr™	MicroFET™	PowerTrench®	SuperSOT™-6
CROSSVOLT™	FRFET™	MicroPak™	QFET™	SuperSOT™-8
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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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