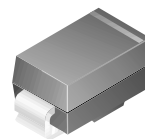


FMKA130L

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°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°C	1.0	A
I _{FSM}	Non-repetitive Peak Forward Surge Current	30	A
T _{stg}	Storage Temperature Range	-65 to +150	°C
T _j	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 _{θJL}	Thermal Resistance Junction to Lead (Half wave, single phase, 60 Hz)	9.6	°C/W

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units	
V _F	Forward Voltage @ I _F = 1.0A	410	mV	
		I _F = 1.0A, T _A = 85°C	350	mV
		I _F = 2.0A	470	mV
		I _F = 2.0A, T _A = 85°C	430	mV
I _R	Reverse Current @ V _R = 15V	400	μA	
		V _R = 15V, T _A = 85°C	12	mA
		V _R = 30V	1.0	mA
		V _R = 30V, T _A = 85°C	25	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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