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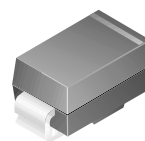
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# FMKA130L

## 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<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V <sub>RRM</sub>	Maximum Repetitive Reverse Voltage	30	V
I <sub>F(AV)</sub>	Average Rectified Forward Current @ T <sub>L</sub> = 120°C	1.0	A
I <sub>FSM</sub>	Non-repetitive Peak Forward Surge Current	30	A
T <sub>stg</sub>	Storage Temperature Range	-65 to +150	°C
T <sub>j</sub>	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 <sub>θJL</sub>	Thermal Resistance Junction to Lead (Half wave, single phase, 60 Hz)	9.6	°C/W

### Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Units	
V <sub>F</sub>	Forward Voltage @ I <sub>F</sub> = 1.0A	410	mV	
		I <sub>F</sub> = 1.0A, T <sub>A</sub> = 85°C	350	mV
		I <sub>F</sub> = 2.0A	470	mV
		I <sub>F</sub> = 2.0A, T <sub>A</sub> = 85°C	430	mV
I <sub>R</sub>	Reverse Current @ V <sub>R</sub> = 15V	400	μA	
		V <sub>R</sub> = 15V, T <sub>A</sub> = 85°C	12	mA
		V <sub>R</sub> = 30V	1.0	mA
		V <sub>R</sub> = 30V, T <sub>A</sub> = 85°C	25	mA

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