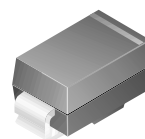


FMKA130L

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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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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