

## FMKA130

### Features

- Compact Surface Mount with J-bend Leads (SMA)
- 1.2 Watt Power Dissipation Package
- 1.0 Ampere, Forward Voltage Less than 600mV



**SMA (DO-214AC)**

Color Band Denotes Cathode  
Mark: A13

### 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 the diode 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	Min.	Max.	Units
$V_F$	Forward Voltage @ $I_F = 1.0\text{A}$		550	mV
$I_R$	Reverse Leakage	$V_R = 30\text{V}$	1.0	mA
		$V_R = 30\text{V}, T_A = 100^\circ\text{C}$	10	mA

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